

2015 Island County

Community Health Survey

December 2015



Community Health Survey

**HEALTH STARTS WHERE WE LIVE, LEARN, WORK,
AND PLAY.**

**Share your ideas on how to make
Island County a healthier place to live.**

Introduction	3
Executive Summary	4
Methods	6
Survey Results	
Respondent Demographics	8
Health Challenges for Parents/Caregivers of Young Children	11
Health Challenges for Teens	15
Health Challenges for Older Adults/Seniors	19
Daily Challenges for Survey Respondents and Their Families	22
Priority Health-Related Issues	25
Qualities of a Healthy Community	34
Issues Impacting Quality of Life	38
Existing Programs and Services for Quality of Life	40
Appendices	
A. Survey Tool	42
B. Acknowledgements	48

Introduction

What does Island County need to be a healthier place to live, learn, work, and play?

Our opportunity for health starts long before we need medical care. Everyone in our community should have the opportunity to make the choices that allow them to live a long, healthy life, regardless of their income, education or ethnic background. And we all should have access to health care and support services for those times when our health is poor.

The Island County Community Health Survey was conducted as part of a broad community health planning process for Island County, Washington. The results of this survey will go into the Island County Community Health Assessment Report, and distributed widely throughout the county and region. It is used by community leaders, agency directors and staff, service providers, and community groups to help make informed decisions about what health needs exist in our community and what work needs to be done. The Community Health Assessment is the first step in our Community Health Planning Process and will be used to identify community-wide priorities to improve our health and quality of life.

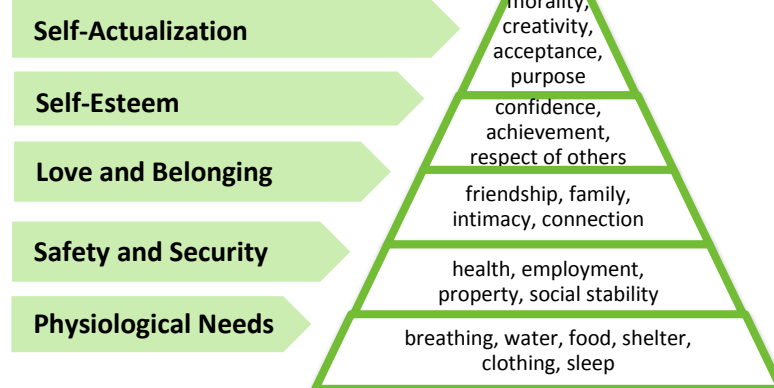
Island County Public Health, along with its partners from the Island County Community Health Advisory Board, Board of Health, and local agencies, thanks all community members who participated in the survey and helped us better understand what Island County needs to be a healthier place to live.

More information about the Island County Community Health Planning Process can be found at the Island County Public Health webpage: www.islandcountyahc.org/page/89

Executive Summary

For the first time, as part of Island County's Community Health Assessment we asked residents about essential qualities of a healthy community, most challenging health issues for them and their families, and what priorities the county should have to promote health for all members. This report shares the results of that survey, and reveals the daily challenges and values for those who participated.

Maslow's Hierarchy of Needs



Aligning with Maslow's hierarchy of needs, most respondents said meeting basic physiological and safety needs were essential qualities of a healthy community. Also in the top responses was what we labeled "Community Culture", describing a "sense of connection" and "friendly, caring neighbors". However, these needs located higher on Maslow's hierarchy were not prioritized in later questions of what most urgently should to be addressed. Although many respondents noted physiological and safety needs were not daily challenges for themselves, they value the county prioritizing these basic needs for others.

For respondents with lower incomes, lack of affordable housing, and access to medical and dental care, were top challenges facing them and their families. For respondents over the age of 75 years, unintentional injury and fall risk was a high priority, along with the challenge of living on a fixed income, access to services to "age in place" and finding adequate affordable housing. Families with young children shared challenges with the high cost and limited childcare options, and families with teenagers prioritized access to teen-friendly afterschool and extracurricular activities.

Qualities of a Healthy Community



Health Services

Quality medical services available to all individuals for the prevention and/or treatment of disease.



Environment

Clean air, water and natural resource protection for the prevention of disease and aesthetic beauty. Includes maintenance of rural character and minimization of noise.



Community Culture

Values desired for community dynamics and interactions between members. Friendly, caring community that embraces diversity in culture and opinion.



Recreation

Space, structures and/or programs that promote physical activity or enjoyment of the natural environment.



Food and Nutrition

Systems, policies and/or programs that support all individuals' access to adequate healthy foods.

Executive Summary

Most Common Health Challenges for Respondents and Their Families



Emergency Preparedness

Individual and community preparation and response to natural and human-generated emergencies.



Job Opportunities and Training

Opportunities for work and training that provide financial stability and/or fulfillment of personal goals and achievements.



Time and/or Knowledge to Exercise

Individual ability to prioritize time and gain knowledge on how to increase physical activity.



Noise

Noise originating from aircraft, shooting ranges, neighborhood dogs and/or traffic.



Access to Exercise and Recreation Opportunities

Access to the space, structures and/or programs that promote physical activity or enjoyment of the natural environment.

Health Priorities for Island County



Mental Health

Mental health services available to all individuals for the prevention and/or treatment of disease.



Job Opportunities and/or Training

Opportunities for work and training that provide financial stability and/or fulfillment of personal goals and achievements.



Health Services

Medical services available to all individuals for the prevention and/or treatment of disease.



Substance Abuse

Provision of services for the prevention and/or treatment of substance abuse disorders.



Housing

Availability and provision of safe and adequate housing for all individuals.

Methods

Survey Purpose

Qualitative data collection for Island County's Community Health Assessment complements the work of health indicator data collection, which examines the health of our population through existing data sources. The purpose of the community health survey is to identify any additional not currently captured by our existing health indicators, and to evaluate the value and prioritization Island County residents place on issues perceived to affect their health.

Through qualitative data collection methods, we sought to answer the following questions:

- What do Island County residents perceive to positively and negatively impact their health and the health of the community?
- How do Island County residents perceive their quality of life?

Survey Implementation

The 2015 Island County Community Health Survey was developed using an iterative process, including community surveys conducted by other local health jurisdictions in Washington State, and questions recommended by the National Association of City and County Health Organizations (NACCHO). The survey tool was pilot tested with a convenience sample of 25 adult Island County residents. It was reviewed and edited by Island County Public Health staff, and members of the Island County Community Health Advisory Board, Community Health Assessment Team, and Board of Health. See Appendix A for a copy of the survey tool.

The survey was available online through SurveyMonkey® and in paper-copy upon request. Translated surveys in Spanish and Tagalog were available in both electronic and paper format. Participants were assured responses would be anonymous. Promotion of the survey was conducted through the following activities:

- Advertisements and articles were placed in local newspapers.
- Posters and promotional materials were sent to community organizations and libraries three weeks in advance.
- All Community Health Advisory Board, Community Health Assessment Team, and Board of Health members sent email announcements to their constituents prior to and throughout the open survey period.
- Survey links were posted on websites and social media.

Responses to the survey were collected from August 24 to September 7, 2015.

Methods, continued

Survey Analysis

Multiple-Choice

Multiple choice question responses were imported and analyzed using STATA 13.0 ©. Descriptive statistics of the respondent population were calculated from demographic questions and compared to actual population statistics. Response distributions for non-demographic questions were calculated, and cross-tabulations were conducted for age, geographic location, income status and whether the respondent had children living at home. Chi square analyses were used to identify issues with significant ($P<0.05$) differences across demographic factors.

Open-ended questions

For each of three open-ended questions, we used content analysis of the verbatim responses to identify and code emergent themes. Each of the 1092 survey respondents could provide up to three short words or phrases per question, creating a potential for 3276 responses per question. Total number of responses per question were 2640, 2053, and 1902. Two Island County Public Health staff independently reviewed the responses to each of the three questions, and identified salient themes. For each question, the two sets of independently identified major themes were documented and discussed, and an initial coding framework of themes was developed and then pilot tested. Pilot testing included independent double coding of 250 responses. A single response could be coded to more than one theme.

Limitations

A non-random, convenience sampling frame was used for this survey. Convenience samples are unable to generate results that can be generalized to the entire population, but are appropriate for exploratory research intended to generate new ideas for further testing and analysis. The purpose of this survey was to identify additional health-related issues that could be further examined through other existing data sources, or future data collection. New information gained through this survey applies only to the sample itself and cannot be generalized to the entire population.

Survey Results

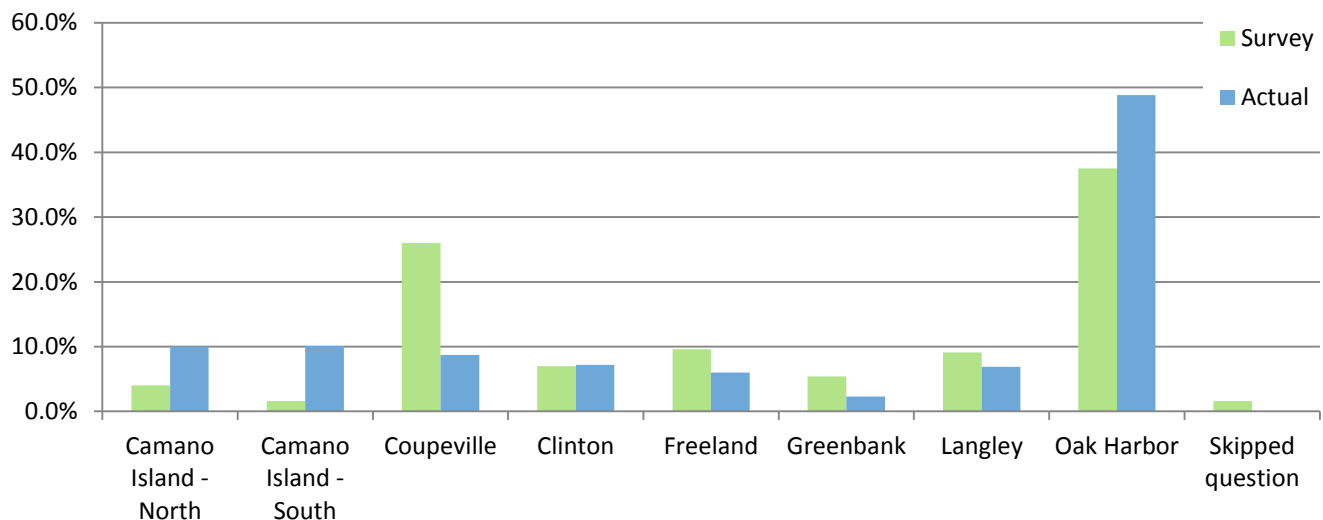
Respondent Demographics Summary

Total Number of Respondents: 1092

- Women responded at a rate three times that of men. (673 responses versus 213, respectively). Less than 1% of responses were from residents that identified as neither male nor female.
- Families with children <18 years old were well represented with 29% of responses.
- Adults aged 55-64 years were the largest age group to respond (30%). Residents aged 15-24 years and ≥ 85 years were the least represented (1.7% and 0.7%, respectively).
- 70 percent of respondents identified themselves as white. Nearly 25 percent of respondents preferred not to identify their race/ethnicity, or skipped the question.

Geographic Area

Figure 1. Geographic location of survey respondents compared to actual population.¹

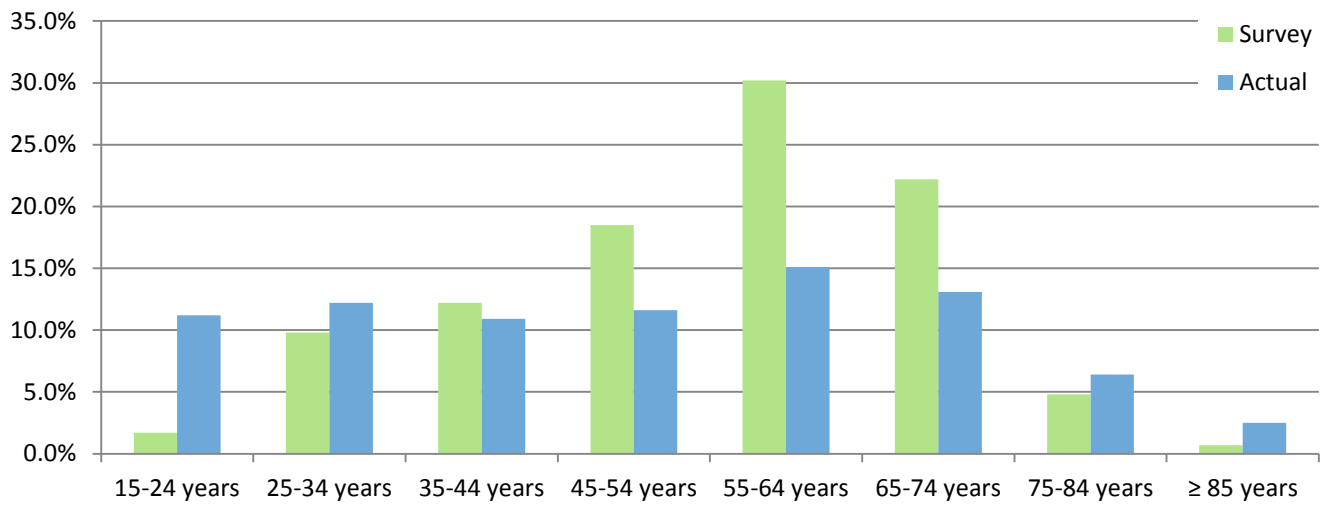


1. U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates

Survey Respondent Demographics

Age

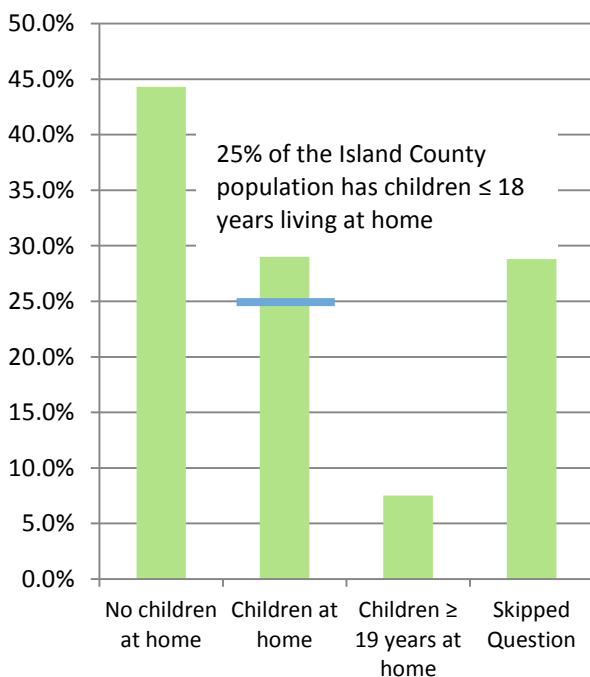
Figure 2. Age of survey respondents compared to actual population.¹



1. U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates

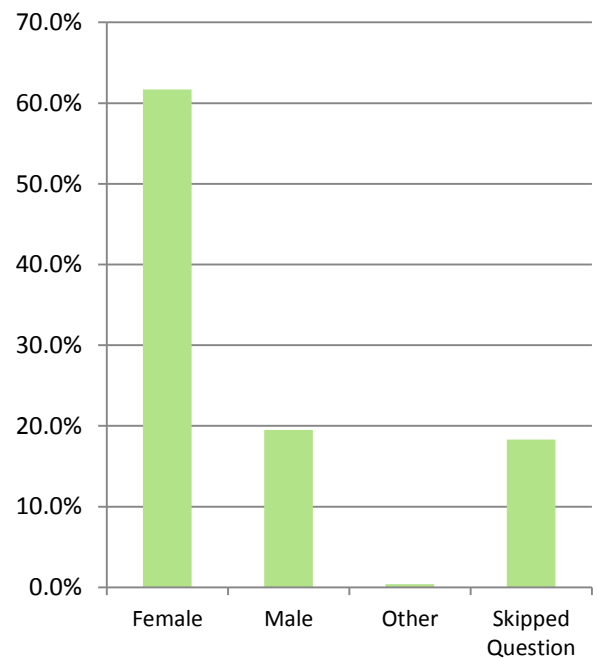
Families with Children

Figure 3. Survey respondents reporting children ≤ 18 years at home.



Gender

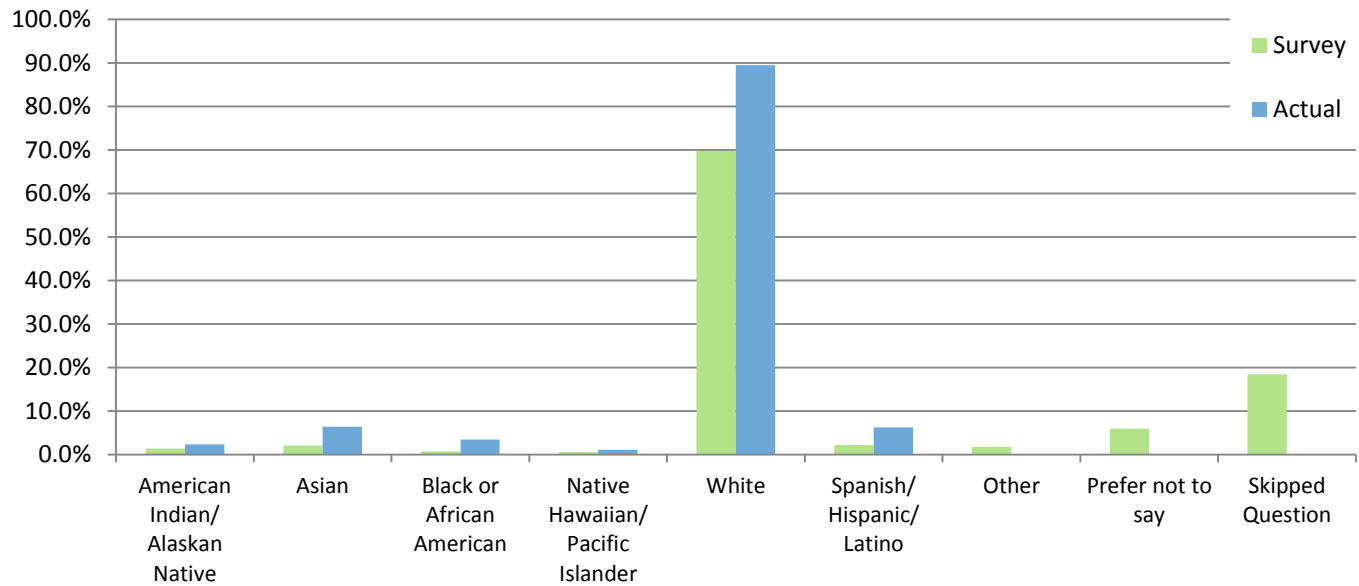
Figure 4. Survey respondents identifying as male, female, or other.



Survey Respondent Demographics

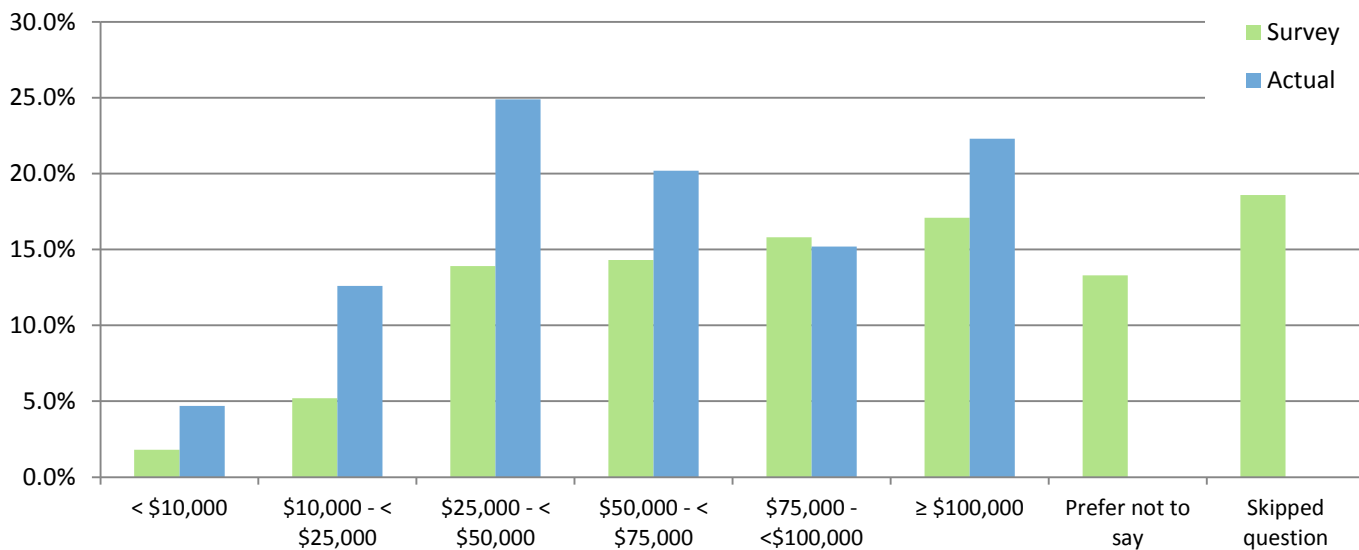
Race and Ethnicity

Figure 5. Race and ethnicity of survey respondents compared to actual population.¹



Income

Figure 6. Household income of survey respondents compared to actual population.¹

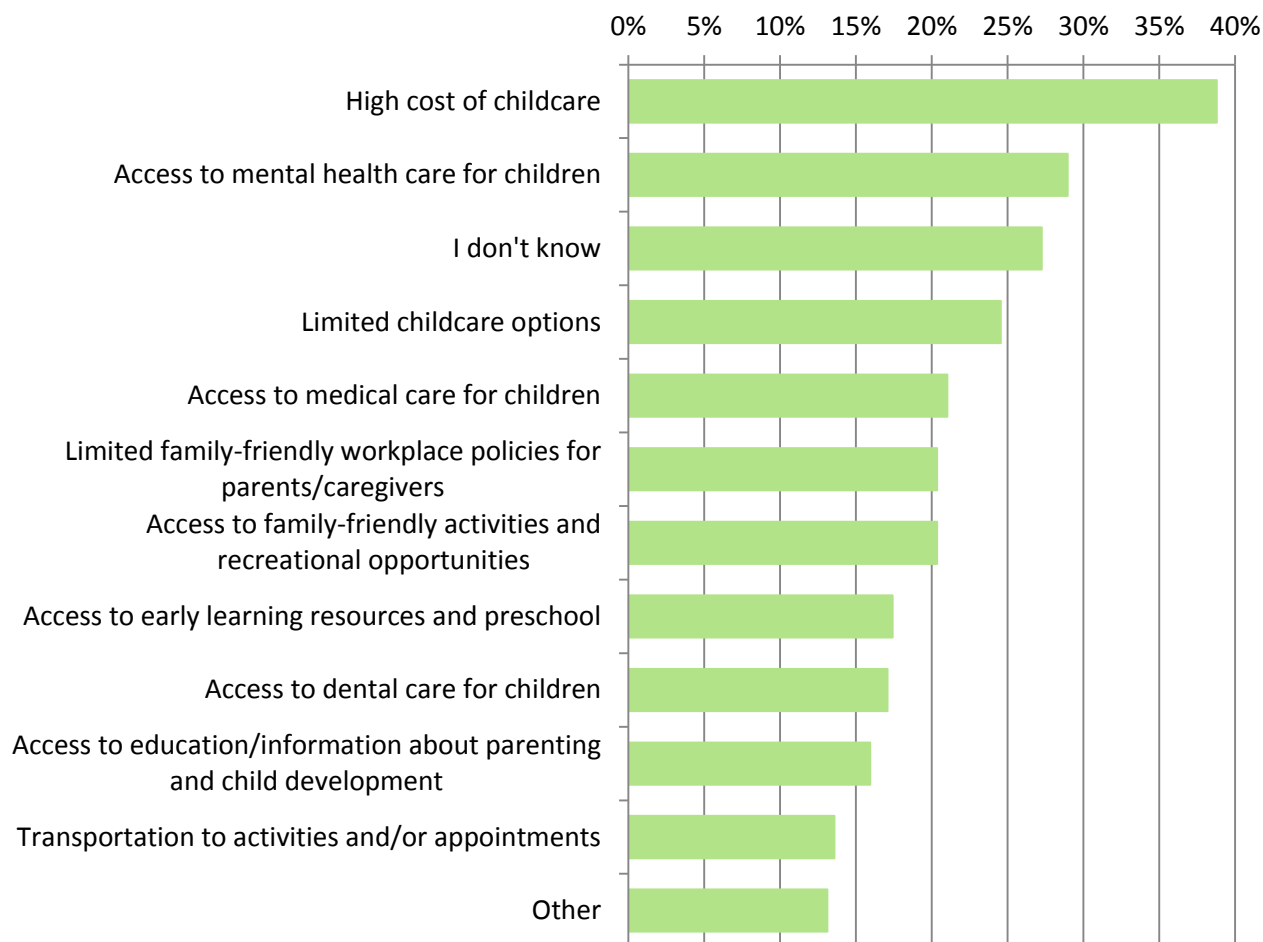


1. U.S. Census Bureau, 2014 American Community Survey 1-Year Estimates

Survey Results

What are the biggest health challenges parents/caregivers of young children (age 0-5 years) face in Island County?

Figure 7. Health challenges for parents/caregivers of young children in Island County, as selected by all survey respondents. Number of respondents = 884



OTHER

Topic	Sub-Topic	#	Topic	Sub-Topic	#
Childcare	Availability	4	Healthy Food	Availability	6
Dental Care	Cost	2		Preparation	2
Education	Quality	3		Safety	1
	Access to Early Learning	1	Home Life	Parenting	3
Environment	Aircraft Noise	19	Immunizations	Promotion/Education	2
	Pollutants	5	Mental Health	Availability	1
Health Care	Availability - General	4	Recreation/Activities	Availability - General	1
	Availability - Specialists	5		Indoor Availability	3
	Cost	3		Bike Safety	1
	Quality	2		Multi-cultural/generational	1
Health Education	Availability	1	Transportation	Availability	1
			Not Applicable		31

Survey Results: Health Challenges for Parents/Caregivers of Young Children

Table 1. Health challenges for parents/caregivers of young children in Island County, by age of respondent.

Health Issues	Age of Respondent			χ^2 <i>P value</i>
	<44 years (n=207)	45-64 years (n=427)	≥65 years (n=245)	
	%	%	%	
Access to medical care for children	21.2	22.5	18.4	0.44
Access to dental care for children	13.0	17.6	20.0	0.14
Access to mental health care for children	29.5	30.0	26.9	0.70
Access to education/information about parenting and child development	17.1	16.2	14.3	0.58
Access to early learning resources and preschool	22.8	14.5	18.0	0.03*
Access to family-friendly activities and recreational opportunities	34.6	17.1	13.1	0.00*
Limited family-friendly workplace policies for parents/caregivers	30.0	19.0	15.1	0.00*
High cost of childcare	50.3	38.4	30.2	0.00*
Limited childcare options	35.2	25.3	14.7	0.00*
Transportation to activities and/or appointments	15.0	13.1	13.1	0.78
I don't know	15.0	27.2	37.6	-
Other	14.5	11.2	15.9	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per age group.

Survey Results: Health Challenges for Parents/Caregivers of Young Children

Table 2. Health challenges for parents/caregivers of young children in Island County, by geographic location of respondent.

Health Issues	Geographic Location							χ^2 <i>P value</i>
	Camano (n=53)	Coupeville (n=227)	Clinton (n=64)	Freeland (n=83)	Greenbank (n=53)	Langley (n=88)	Oak Harbor (n=310)	
	%	%	%	%	%	%	%	
Access to medical care for children	30.2	14.1	23.4	14.5	18.9	27.3	24.8	0.012*
Access to dental care for children	24.5	11.9	21.9	19.3	17.0	22.7	16.8	0.140
Access to mental health care for children	45.3	25.1	23.4	26.5	22.6	27.3	32.6	0.046*
Access to education/information about parenting and child	28.3	11.9	14.1	15.7	11.3	11.4	19.7	0.026*
Access to early learning resources and preschool	39.6	15.0	14.1	18.1	20.8	15.9	15.8	0.002*
Access to family-friendly activities and recreational opportunities	32.1	15.7	9.4	13.3	11.3	17.1	30.0	0.000*
Limited family-friendly workplace policies for parents/caregivers	13.2	21.2	17.2	22.9	24.5	19.3	21.0	0.789
High cost of childcare	37.7	26.9	40.6	38.6	35.9	40.9	47.7	0.000*
Limited childcare options	20.8	22.0	28.1	26.5	30.2	25.0	25.1	0.838
Transportation to activities and/or appointments	24.5	10.6	9.4	13.3	18.9	21.6	11.9	0.022*
I don't know	22.6	34.8	35.9	28.9	20.8	25.0	21.9	-
Other	5.7	17.2	14.1	8.4	26.4	15.9	8.7	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results: Health Challenges for Parents/Caregivers of Young Children

Table 3. Health challenges for parents/caregivers of young children, by income status and age of children at home of respondent.

Health Issues	Income Status**					Children At Home***					
	Low (n=56)	Middle (n=293)	High (n=361)	Not Reported (n=144)	χ^2 P value	None (n=405)	Age 0-5 years (n=84)	Age 6-12 years (n=42)	Age 13-18 years (n=62)	Age 19+ years (n=54)	χ^2 P value
	%	%	%	%		%	%	%	%	%	
Access to medical care for children	20.4	21.3	19.7	21.7	0.95	18.2	33.3	21.4	21.0	22.2	0.03*
Access to dental care for children	16.7	19.2	15.8	17.5	0.73	16.7	10.7	26.2	11.3	20.4	0.26
Access to mental health care for children	18.5	26.5	33.2	26.6	0.06	27.8	21.4	33.3	35.5	38.9	0.22
Access to information about parenting and child development	14.8	17.4	14.7	17.5	0.75	16.9	17.9	9.5	11.3	9.3	0.86
Access to early learning resources and preschool	24.1	18.1	16.6	17.5	0.61	17.3	25.0	14.3	22.6	7.4	0.03*
Access to family-friendly activities and recreational opportunities	24.1	25.4	15.8	20.3	0.02*	14.6	51.2	38.1	19.4	13.0	0.00*
Limited family-friendly workplace policies for parents/caregivers	22.2	25.8	16.9	17.5	0.03*	17.3	31.0	19.1	35.5	20.4	0.00*
High cost of childcare	40.7	44.3	36.6	34.3	0.13	31.9	60.7	50.0	40.3	51.9	0.00*
Limited childcare options	29.6	27.5	24.8	18.2	0.16	18.0	52.4	42.9	22.6	29.6	0.00*
Transportation to activities and/or appointments	27.8	14.3	10.4	12.6	0.01*	12.1	10.7	16.7	19.4	20.4	0.03*
I don't know	35.2	22.3	27.0	34.3	-	37.6	4.8	2.4	8.1	20.4	-
Other	20.4	12.5	11.6	16.8	-	12.3	15.5	16.7	14.5	3.7	

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

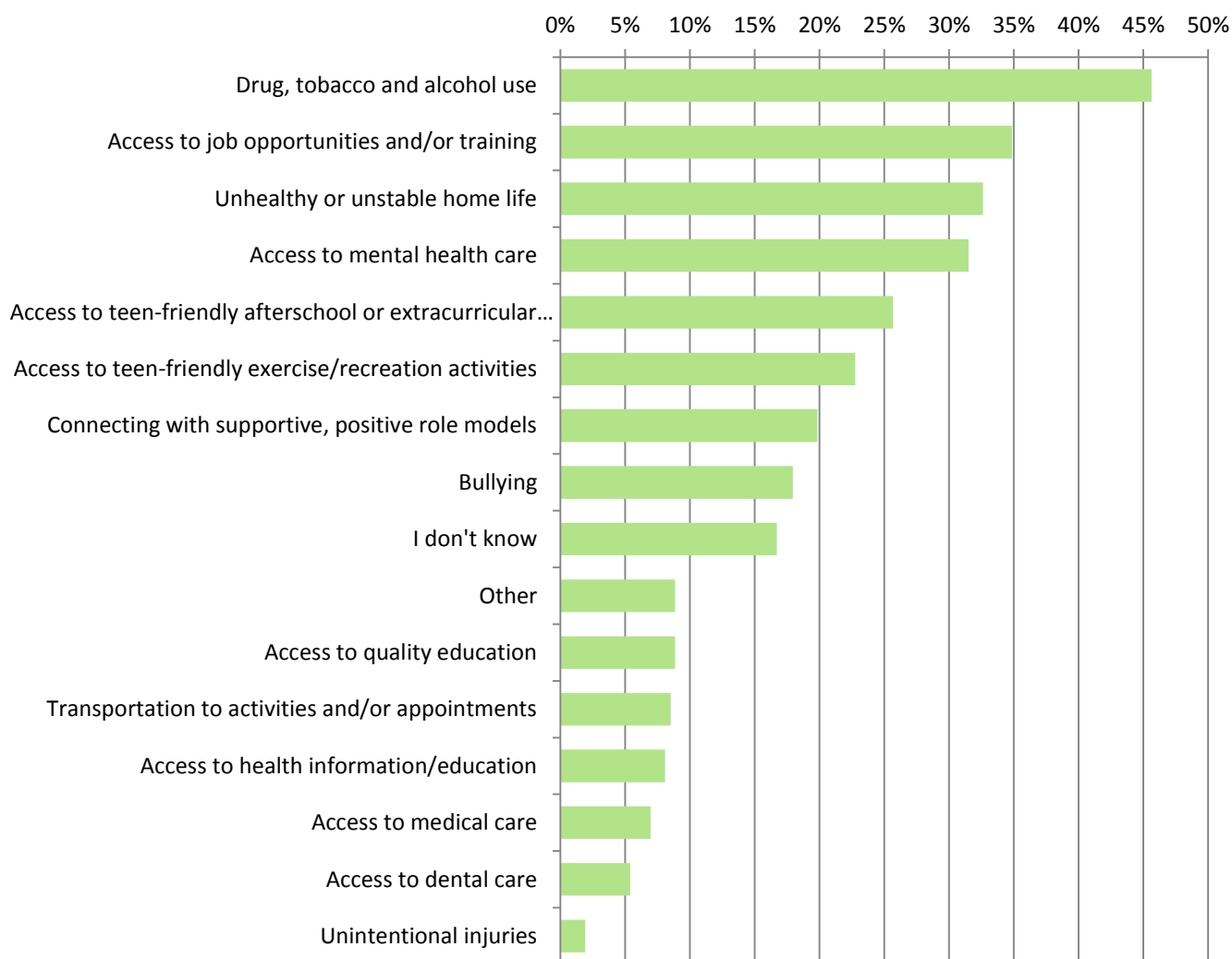
** Income status established by reported income and household size.

*** If respondent has children in multiple age groups, response included in the youngest age category reported.

Survey Results

What are the biggest health challenges teens face in Island County?

Figure 8. Health challenges for teens in Island County, as selected by all survey respondents.
Number of respondents = 885



OTHER

Topic	Sub-Topic	#	Topic	Sub-Topic	#
Activities	Availability	4	Guns	Availability	1
	Availability for disabled	1		Access to Specialists	1
	Cost	2		Pregnancy and STD prevention	1
Bullying	Cyberbullying	2	Healthy Food	Access	1
	Education	1		Affordability	2
Community Support	Lack of for youth	1	Housing	Access for teens	2
Dental Care	Cost	1		Poor parenting	1
Drug Use		4	Individual Behaviors		
Education	Quality	1	Job Opportunities		1
Environment	Aircraft noise	14	Screen time		1
			Not Applicable		14

Survey Results: Health Challenges for Teens

Table 4. Health challenges teens face in Island County, by age of respondent.

Health Issues	Age of Respondent			χ^2 <i>P value</i>
	14-44 years (n=207)	45-64 years (n=427)	≥65 years (n=245)	
	%	%	%	
Access to medical care	7.3	7.4	6.1	0.84
Access to dental care	6.3	4.6	6.1	0.52
Access to mental health	29.0	31.1	34.3	0.46
Access to health information/education	10.6	8.1	5.7	0.16
Access to job opportunities and/or training	33.3	37.6	32.7	0.45
Access to quality education	13.5	6.3	9.4	0.01*
Bullying	27.5	15.6	14.3	0.00*
Connecting with supportive, positive role models	24.6	17.4	20.0	0.10
Drug, tobacco and alcohol use	45.4	46.4	44.5	0.90
Access to teen-friendly exercise/recreation activities	32.9	21.4	15.9	0.00*
Access to teen-friendly afterschool or extracurricular activities	34.3	24.4	20.0	0.00*
Unhealthy or unstable home life	34.3	31.1	34.3	0.52
Transportation to activities and/or appointments	15.0	7.2	5.7	0.00*
Unintentional injuries	2.9	1.4	2.0	0.44
I don't know	14.0	17.9	17.1	-
Other	8.7	7.4	11.4	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per age group.

Survey Results: Health Challenges for Teens

Table 5. Health challenges teens face in Island County, by geographic location of respondent.

Health Issues	Geographic Location							χ^2 <i>P value</i>
	Camano (n=53)	Coupeville (n=227)	Clinton (n=64)	Freeland (n=83)	Greenbank (n=53)	Langley (n=88)	Oak Harbor (n=310)	
	%	%	%	%	%	%	%	
Access to medical care	3.8	4.0	10.8	2.4	3.8	10.2	9.9	0.03*
Access to dental care	3.8	1.8	6.2	4.8	3.8	10.2	7.3	0.07
Access to mental health	39.6	33.3	27.7	32.1	24.5	38.6	29.0	0.43
Access to health information	9.4	7.5	9.2	9.5	9.4	8.0	7.6	0.98
Access to job opportunities and/or training	47.2	34.2	36.9	35.7	22.6	33.0	35.7	0.26
Access to quality education	13.2	6.1	15.4	3.6	9.4	12.5	9.2	0.10
Bullying	24.5	17.1	13.9	17.9	17.0	10.2	21.0	0.24
Connecting with supportive, positive role models	22.6	18.4	20.0	16.7	15.1	15.9	23.6	0.49
Drug, tobacco and alcohol use	50.9	34.2	52.3	53.6	49.1	56.8	46.2	0.00*
Access to teen-friendly exercise/recreation activities	30.2	18.4	10.8	16.7	15.1	19.3	31.5	0.00*
Access to teen-friendly afterschool or extracurricular activities	28.3	21.1	10.8	25.0	31.2	23.9	32.8	0.01*
Unhealthy or unstable home life	30.2	31.6	43.1	31.0	28.3	29.6	34.1	0.64
Transportation to activities and/or appointments	24.5	7.9	6.2	4.8	9.4	10.2	7.3	0.00*
Unintentional injuries	0.0	1.8	3.1	2.4	1.9	1.1	2.2	0.91
I don't know	13.2	21.1	13.9	14.3	17.0	13.6	15.9	-
Other	5.7	11.0	15.4	3.6	7.6	10.2	7.0	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results: Health Challenges for Teens

Table 6. Health challenges teens face in Island County, income status and age of children at home of respondent.

Health Issues	Income Status**					Children At Home***					
	Low (n=55)	Middle (n=291)	High (n=357)	Not Reported (n=142)	χ^2 P value	None (n=480)	Age 0-5 years (n=73)	Age 6-12 years (n=42)	Age 13-18 years (n=121)	Age 19+ years (n=54)	χ^2 P value
	%	%	%	%		%	%	%	%	%	
Access to medical care	10.9	6.5	6.4	7.8	0.59	6.7	6.9	5.4	9.1	11.1	0.60
Access to dental care	9.1	6.5	4.2	5.6	0.41	4.2	2.7	4.1	8.3	7.4	0.42
Access to mental health	25.5	29.2	34.5	28.8	0.28	30.2	31.5	36.5	37.2	35.2	0.36
Access to health information/education	5.5	11.0	5.9	9.9	0.11	7.5	12.3	10.8	5.0	3.7	0.29
Access to job opportunities and/or training	38.2	36.1	35.3	32.4	0.75	32.5	37.0	39.2	47.9	42.6	0.02*
Access to quality education	10.9	8.3	8.4	10.6	0.74	8.8	5.5	8.1	13.2	9.3	0.74
Bullying	29.1	19.6	17.0	15.5	0.07	16.0	21.9	27.0	24.0	25.9	0.04*
Connecting with supportive, positive role models	32.7	23.0	18.2	12.0	0.00*	19.8	28.8	18.9	19.8	22.2	0.55
Drug, tobacco and alcohol use	49.1	43.6	27.3	49.3	0.76	42.9	46.6	58.1	44.6	64.8	0.02*
Access to teen-friendly exercise/recreation activities	30.9	26.1	18.5	21.8	0.03*	19.0	30.1	33.8	33.1	16.7	0.00*
Access to teen-friendly afterschool or extracurricular activities	32.7	30.6	23.8	19.7	0.03*	21.7	34.3	33.8	41.3	9.3	0.00*
Unhealthy or unstable home life	38.2	35.4	34.2	23.9	0.08	33.1	41.1	29.7	33.1	31.5	0.99
Transportation to activities and/or	16.4	9.3	7.0	8.5	0.13	6.5	9.6	9.5	14.9	5.6	0.12
Unintentional injuries	5.5	1.4	1.7	2.8	0.20	1.5	1.4	1.4	3.3	1.9	0.25
I don't know	14.6	14.1	15.1	24.7	-	22.1	12.3	8.1	0.8	7.4	-
Other	7.3	11.7	6.4	11.3	-	9.4	5.5	9.5	8.3	3.7	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

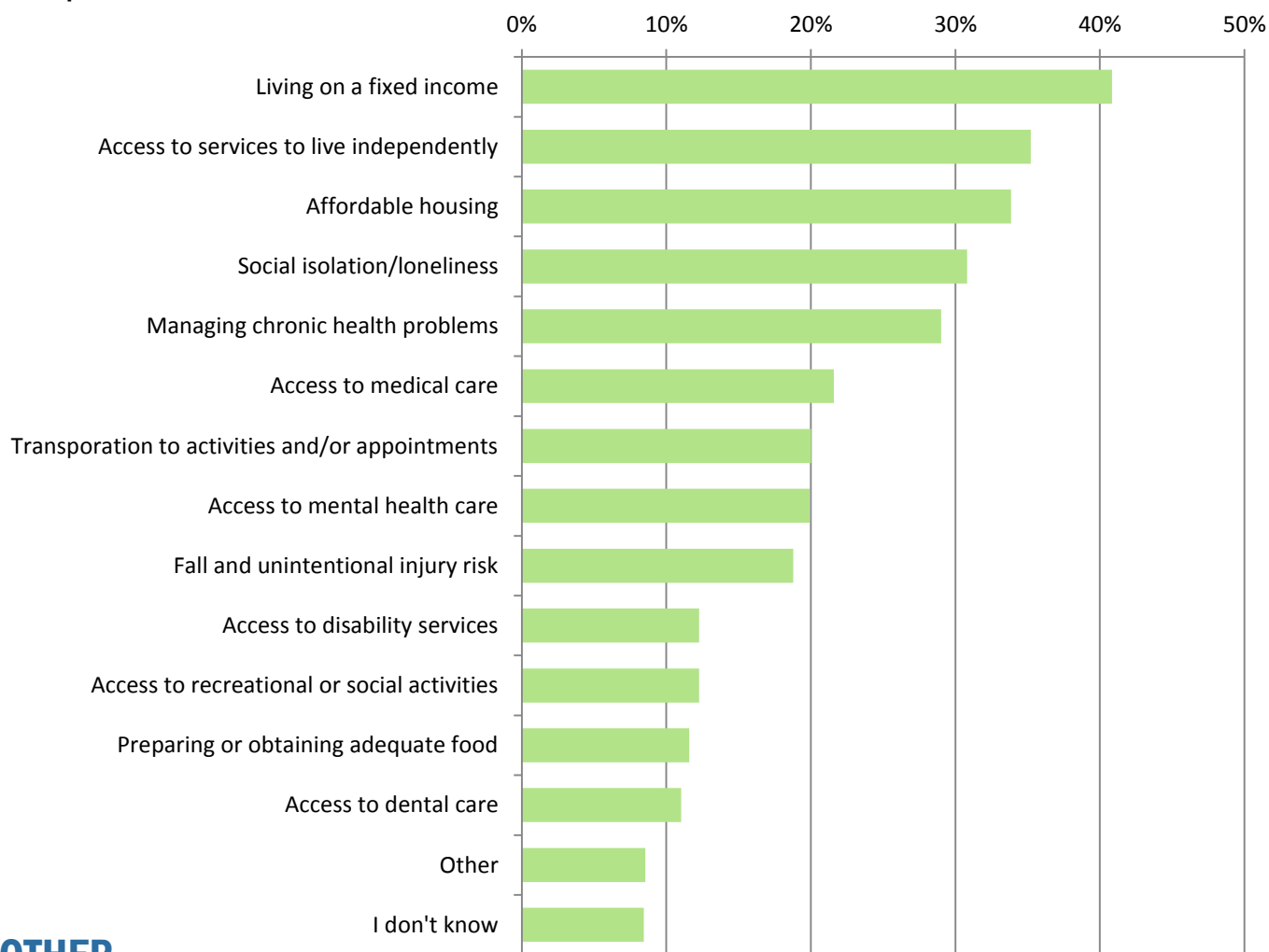
**Income status established by reported income and household size.

*** If respondent has children in multiple age groups, response included in the youngest age category reported, except when respondent has child at home aged 13-18 years.

Survey Results

What are the biggest health challenges older adults/seniors face in Island County?

Figure 9. Health challenges for older adults/seniors in Island County, as selected by all survey respondents.



OTHER

Topic	Sub-Topic	#	Topic	Sub-Topic	#
Affordability	General	2	Housing	Affordability	1
Communication		1		Maintenance/Upkeep	3
Dental Care	Availability	1		Assisted-Living	1
Employment		2	Mental Health	Availability	2
Environment	Aircraft noise	23		Cost	1
	Water quality	1	Pets	Medical care	2
	Over-development	1	Pharmacy	Availability	2
Health Care	Availability	5	Recreation	Swimming	1
	Availability - Specialists	2		General	1
	Accepting Medicare	4	Social Isolation		4
	Cost	1	Transportation	General	5
	Home Health: Cost	1		To/from medical appointments	2
Healthy Food	Access	1	I don't know		3

Survey Results: Health Challenges for Older Adults

Table 7. Health challenges older adults face in Island County, by age and income status.

Health Issues	Age of Respondent					Income Status				
	14-44 years (n=)	45-64 years (n=433)	65-74 years (n=196)	≥75 years (n=49)	χ^2 <i>P value</i>	Low (n=55)	Middle (n=292)	High (n=354)	Not Reported (n=143)	χ^2 <i>P value</i>
	%	%	%	%		%	%	%	%	
Access to medical care	19.8	23.3	19.4	22.5	0.64	21.8	17.8	23.5	21.7	0.32
Access to dental care	7.7	11.3	14.3	10.2	0.29	34.6	14.0	5.9	9.1	0.00*
Access to mental health care	18.8	23.8	16.3	6.1	0.01*	14.6	16.4	23.7	18.2	0.09
Access to disability services	16.9	12.0	9.7	6.1	0.07	14.6	13.4	10.2	13.3	0.53
Managing chronic health problems	27.1	29.8	32.1	20.4	0.42	16.4	28.4	29.9	32.2	0.19
Access to recreational or social activities	21.3	9.7	9.2	10.2	0.00*	14.6	14.4	10.7	11.9	0.63
Access to services to live independently	21.7	36.0	44.4	44.9	0.00*	25.5	36.0	33.3	46.9	0.01*
Preparing or obtaining adequate food	17.9	11.6	6.6	6.1	0.00*	18.2	12.0	10.7	10.5	0.39
Affordable housing	38.7	34.6	28.1	32.7	0.15	54.6	37.0	29.7	31.5	0.00*
Living on a fixed income	38.7	40.2	46.4	34.7	0.34	52.7	48.3	34.8	35.0	0.00*
Social isolation/loneliness	37.7	29.8	27.6	24.5	0.06	30.9	31.2	32.8	27.3	0.72
Transportation to activities and/or appointments	16.4	21.7	19.4	20.4	0.48	29.1	19.9	18.6	23.1	0.33
Fall and unintentional injury risk	17.9	15.7	22.5	32.7	0.02*	7.3	17.5	20.6	21.0	0.11
I don't know	16.4	6.7	3.6	6.1	-	7.3	7.2	8.2	9.8	-
Other	5.3	6.5	14.8	16.3	-	7.3	8.6	7.1	13.3	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

**Income status established by reported income and household size.

Survey Results: Health Challenges for Older Adults

Table 8. Health challenges older adults face in Island County, by geographic region of respondent.

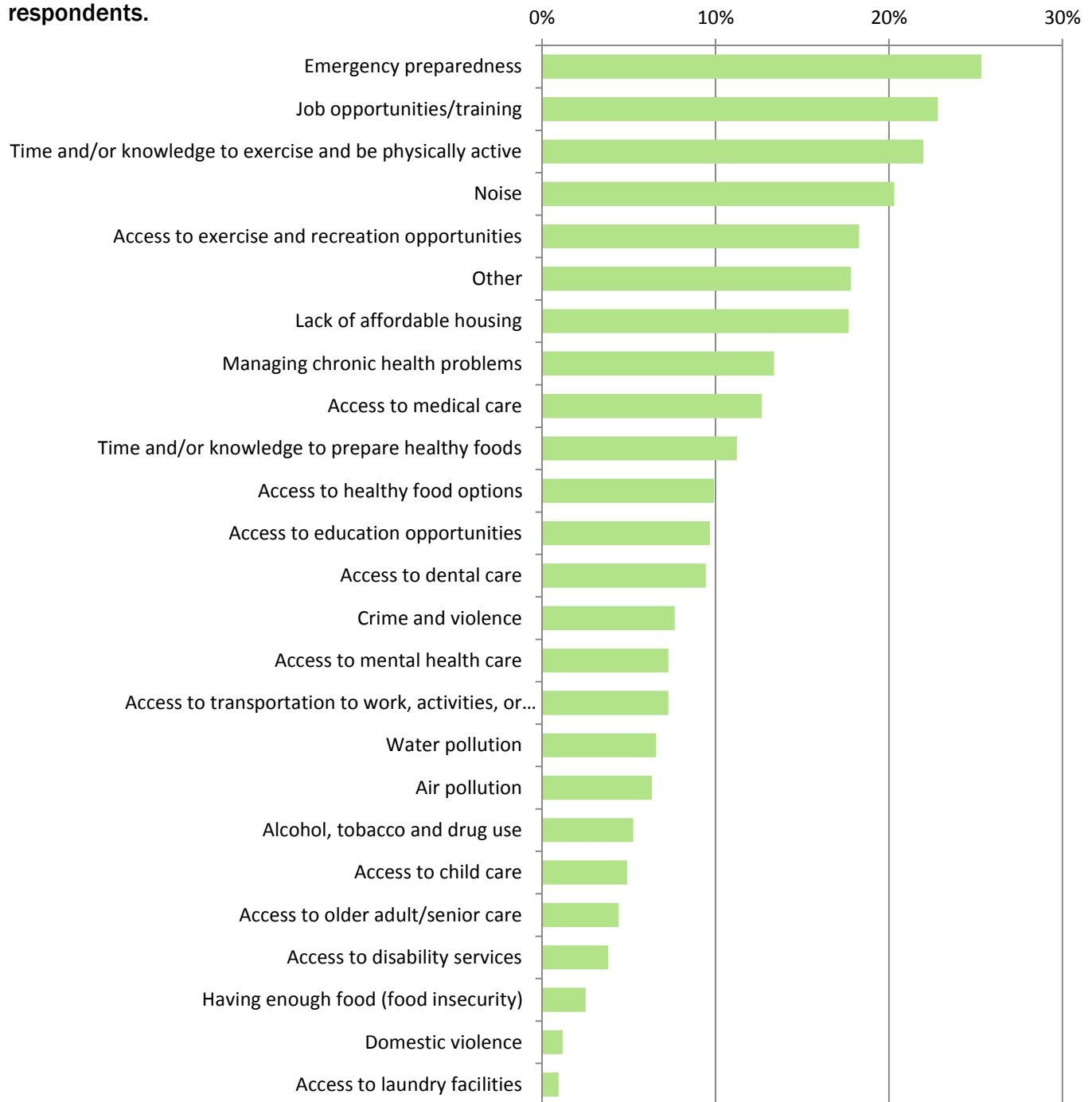
Health Issues	Geographic Location							χ^2 <i>P value</i>
	Camano (n=53)	Coupeville (n=229)	Clinton (n=65)	Freeland (n=83)	Greenbank (n=52)	Langley (n=87)	Oak Harbor (n=313)	
	%	%	%	%	%	%	%	
Access to medical care	22.6	22.3	29.2	16.9	19.2	25.3	20.1	0.62
Access to dental care	18.9	8.3	13.9	7.2	11.5	11.5	11.8	0.32
Access to mental health care	15.1	21.8	21.5	16.9	7.7	20.7	21.7	0.27
Access to disability services	17.0	9.2	6.2	8.4	9.6	8.1	17.9	0.01*
Managing chronic health problems	30.2	24.5	29.2	30.1	28.9	39.1	29.4	0.45
Access to recreational or social activities	15.1	11.8	3.1	3.6	11.5	13.8	16.0	0.03*
Access to services to live independently	37.7	33.2	55.4	48.2	26.9	41.4	28.1	0.00*
Preparing or obtaining adequate food	15.1	8.3	13.9	9.6	7.7	14.9	13.1	0.46
Affordable housing	35.9	30.1	44.6	37.4	25.0	40.2	33.6	0.25
Living on a fixed income	45.3	36.2	44.6	36.1	32.7	43.7	45.4	0.25
Social isolation/loneliness	43.4	30.1	21.5	21.7	32.7	26.4	34.5	0.03*
Transportation to activities and/or appointments	39.6	15.7	18.5	24.4	15.4	27.6	17.6	0.00*
Fall and unintentional injury risk	22.6	22.3	13.9	15.7	25.0	12.6	18.2	0.20
I don't know	5.7	8.7	1.5	8.4	7.7	6.9	10.2	-
Other	5.7	12.2	12.3	6.0	9.6	8.1	5.8	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results

What are the biggest daily challenges for you and/or your family?

Figure 10. Health challenges for survey respondents and their families, as selected by all survey respondents.



Survey Results: Daily Challenges for Survey Respondents and Their Families

OTHER

Topic	Sub-Topic	#	Topic	Sub-Topic	#
Child Care	Availability	2	Housing	Affordability	1
Dental Care	Availability – Insurance	1		Assisted	3
Disability Services	Availability	1		Maintenance	2
Drugs		4	Immunizations	Availability	1
Education		3	Mental Health		2
Emergency Preparedness		2	Mosquitos		1
Employment	Living wages	4	Pharmacy	Availability	2
Environment	Air quality	2	Property taxes		2
	Aircraft noise	16	Recreation	Bike safety	2
	Climate change	1		General	3
	Dog-related noise	1		Indoor	3
	Garbage/Recycling	1		Swimming Pool	5
	Firearm noise	4	Safety	Aircraft	2
	Pesticide use	1		Traffic	2
Government		1		Violence	1
Health Care	Availability	6	Social Activities		2
	Availability - Specialists	1	Transportation	Bus Service	4
	Cost	1		Ferry	2
	Quality	1	Vision Care		2
Healthy Food	Access	1	Weight management		2
	Cost	1	Workforce	Quality	1
	Safety – Inspection reports	1	No issues		38

Survey Results: Daily Challenges for Survey Respondents and Their Families

Table 9. Health challenges for survey respondents and their families, by age of respondent.

Health Issues	Age of Respondent			χ^2 <i>P value</i>
	14-44 years (n=)	45-64 years (n=408)	≥65 years (n=228)	
	%	%	%	
Access to medical care	14.0	11.3	13.6	0.42
Access to dental care	8.2	10.1	9.2	0.88
Access to mental health care	7.3	8.6	4.8	0.22
Access to disability services	5.3	3.7	2.6	0.26
Managing chronic health problems	8.7	12.5	18.9	0.02*
Air pollution	3.9	5.4	10.1	0.04*
Water pollution	5.3	4.9	10.5	0.03*
Noise	8.7	19.9	30.7	0.00*
Access to child care	14.0	2.7	0.4	0.00*
Access to older adult/senior care	1.0	4.7	7.0	0.01*
Job opportunities/training	32.9	27.0	5.7	0.00*
Access to education opportunities	15.5	9.1	4.8	0.00*
Access to laundry facilities	1.0	1.0	0.9	0.98
Crime and Violence	5.3	7.6	9.2	0.39
Access to transportation to work, activities, or appointments	6.8	8.6	5.3	0.27
Lack of affordable housing	26.1	17.7	9.2	0.00*
Alcohol, tobacco and drug use	6.3	5.9	3.1	0.18
Domestic violence	1.9	1.2	0.4	0.31
Having enough food (food insecurity)	5.3	2.0	0.9	0.01*
Access to healthy food options	19.3	6.4	6.6	0.00*
Time and/or knowledge to prepare healthy foods	15.5	12.3	4.8	0.00*
Access to exercise and recreation opportunities	29.0	16.4	11.4	0.00*
Time and/or knowledge to exercise and be physically active	21.7	26.2	13.6	0.00*
Emergency preparedness	19.8	25.3	29.0	0.21
Other	14.0	15.2	25.4	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results: Daily Challenges for Survey Respondents and Their Families

Table 10. Health challenges for survey respondents and their families, by geographic location of respondent.

Health Issues	Geographic Location							χ^2 <i>P value</i>
	Camano- (n=53)	Coupeville (n=220)	Clinton (n=64)	Freeland (n=75)	Greenbank (n=47)	Langley (n=84)	Oak Harbor (n=292)	
	%	%	%	%	%	%	%	
Access to medical care	7.6	6.8	21.9	9.3	17.0	22.6	13.4	0.00*
Access to dental care	13.2	6.8	17.2	6.7	10.6	13.1	8.8	0.10
Access to mental health care	11.3	5.9	3.1	8.0	2.1	9.5	8.6	0.37
Access to disability services	11.3	2.3	3.1	6.7	2.1	1.2	4.1	0.03*
Managing chronic health problems	17.0	11.4	15.6	16.0	14.9	13.1	12.7	0.88
Air pollution	5.7	7.7	6.3	6.7	0.0	5.9	6.2	0.69
Water pollution	18.9	6.4	6.3	4.0	4.3	6.0	5.8	0.01*
Noise	9.4	41.4	10.9	5.3	24.7	11.9	13.0	0.00*
Access to child care	1.9	2.3	1.6	6.7	8.5	6.0	6.9	0.17
Access to older adult/senior care	5.7	5.9	3.1	6.7	4.3	3.6	3.1	0.69
Job opportunities/training	15.1	20.0	26.6	14.7	19.2	27.4	27.1	0.15
Access to education opportunities	7.6	10.0	15.6	4.0	10.6	7.1	10.6	0.29
Access to laundry facilities	7.6	0.9	0.0	0.0	2.1	0.0	0.3	0.00*
Crime and violence	22.6	2.7	9.4	14.7	4.3	1.2	8.9	0.00*
Access to transportation to work, activities, or appointments	11.3	6.8	10.9	6.7	6.4	9.5	5.8	0.53
Lack of affordable housing	13.2	15.0	25.0	20.0	12.8	21.4	18.2	0.49
Alcohol, tobacco and drug use	11.3	6.6	7.8	2.67	2.1	1.2	6.9	0.04*
Domestic violence	1.9	0.5	1.6	0.0	0.0	1.2	2.1	0.59
Having enough food (food insecurity)	0.0	0.9	0.0	1.3	2.1	3.6	4.8	0.06
Access to healthy food options	9.4	10.0	1.9	5.3	8.5	3.6	13.0	0.21
Time and/or knowledge to prepare healthy foods	7.6	10.0	1.6	10.7	6.4	7.1	17.1	0.01*
Access to exercise and recreation opportunities	26.4	15.5	15.6	17.3	21.3	16.7	19.5	0.54
Time and/or knowledge to exercise and be physically active	13.2	20.0	17.2	24.0	25.5	15.5	27.1	0.14
Emergency preparedness	32.1	26.4	20.3	26.7	36.2	21.4	23.6	0.48
Other	15.1	18.2	31.3	20.0	14.9	23.8	12.3	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results: Daily Challenges for Survey Respondents and Their Families

Table 11. Health challenges for respondents and families, by income status of respondent.

Health Issues	Income Status**				χ^2 <i>P value</i>
	Low (n=53)	Middle (n=282)	High (n=329)	Not Reported (n=133)	
	%	%	%	%	
Access to medical care	30.2	11.4	9.1	17.3	0.00*
Access to dental care	30.2	13.5	4.9	5.3	0.00*
Access to mental health care	9.4	6.4	7.3	9.0	0.71
Access to disability services	9.4	3.9	3.7	2.3	0.12
Managing chronic health problems	9.4	17.0	10.3	15.0	0.06
Air pollution	13.2	5.0	5.2	9.0	0.10
Water pollution	7.6	7.1	5.8	7.5	0.81
Noise	26.4	20.9	15.5	27.1	0.02*
Access to child care	9.4	6.0	3.7	4.5	0.18
Access to older adult/senior care	3.8	3.2	4.9	6.0	0.65
Job opportunities/training	28.3	25.5	17.9	25.6	0.03*
Access to education opportunities	13.2	9.9	8.2	9.0	0.48
Access to laundry facilities	1.9	1.1	0.6	1.5	0.72
Crime and violence	13.2	6.7	8.2	6.8	0.30
Access to transportation to work, activities, or appointments	18.9	6.4	6.7	7.5	0.01*
Lack of affordable housing	32.1	22.7	12.8	14.3	0.00*
Alcohol, tobacco and drug use	13.2	5.7	5.5	1.5	0.01*
Domestic violence	3.8	1.1	0.6	2.3	0.16
Having enough food (food insecurity)	18.9	1.4	0.6	3.8	0.00*
Access to healthy food options	17.0	11.1	10.0	7.5	0.17
Time and/or knowledge to prepare healthy foods	5.7	11.4	14.0	6.0	0.07*
Access to exercise and recreation opportunities	26.4	19.2	16.7	16.5	0.25
Time and/or knowledge to exercise and be physically active	11.3	19.5	28.0	16.5	0.01*
Emergency preparedness	11.3	20.6	27.4	33.8	0.01*
Other	15.1	18.1	17.9	17.3	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results: Daily Challenges for Survey Respondents and Their Families

Table 12. Health challenges for respondents and families, by, age of children at home of respondent.

Health Issues	Children at Home**					χ^2 <i>P value</i>
	None (n=480)	Age 0-5 years (n=73)	Age 6-12 years (n=42)	Age 13-18 years (n=121)	Age 19+ years (n=54)	
	%	%	%	%	%	
Access to medical care	13.2	18.3	11.6	8.2	6.1	0.47
Access to dental care	9.5	12.2	8.7	12.3	6.1	0.36
Access to mental health care	6.3	7.3	13.0	12.3	10.2	0.07
Access to disability services	2.8	3.7	7.3	6.9	6.1	0.30
Managing chronic health problems	16.2	6.1	8.7	13.7	14.3	0.10
Air pollution	8.0	1.2	1.5	4.1	4.1	0.04*
Water pollution	8.4	6.1	4.4	5.5	0.0	0.17
Noise	26.1	7.3	0.0	9.6	6.1	0.00*
Access to child care	0.4	29.3	18.8	2.7	0.0	0.00*
Access to older adult/senior care	5.4	1.2	2.9	2.7	6.1	0.38
Job opportunities/training	18.5	29.3	29.0	31.5	36.7	0.00*
Access to education opportunities	6.7	17.1	18.8	16.4	4.1	0.00*
Access to laundry facilities	1.3	0.0	0.0	0.0	0.0	0.45
Crime and violence	8.4	4.9	10.1	5.5	10.2	0.59
Access to transportation to work, activities, or appointments	8.0	2.4	7.3	5.5	14.3	0.16
Lack of affordable housing	17.7	18.3	15.9	26.0	22.5	0.87
Alcohol, tobacco and drug use	4.3	4.9	5.8	6.9	16.3	0.01*
Domestic violence	0.9	2.4	1.5	2.7	2.0	0.36
Having enough food (food insecurity)	1.5	8.5	1.5	4.1	4.1	0.14
Access to healthy food options	8.0	18.3	15.9	12.3	6.1	0.00*
Time and/or knowledge to prepare healthy foods	9.1	12.2	26.1	12.3	16.3	0.06
Access to exercise and recreation opportunities	16.0	31.7	23.2	15.1	12.2	0.03*
Time and/or knowledge to exercise and be physically active	19.2	26.8	27.5	28.8	22.5	0.27
Emergency preparedness	26.7	23.2	23.2	23.3	22.5	0.08
Other	19.6	12.2	16.0	9.6	14.3	-

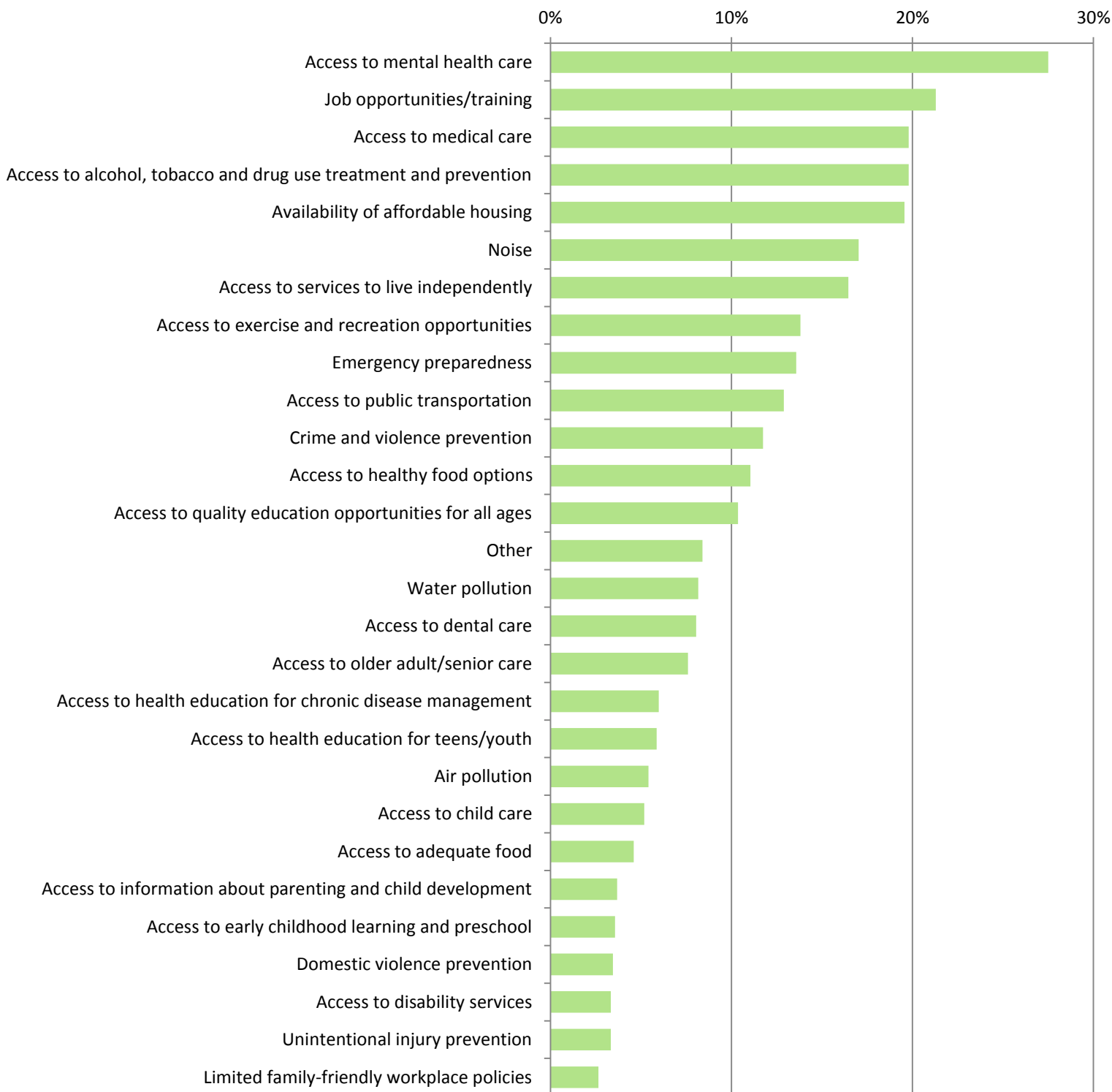
* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

** If respondent has children in multiple age groups, response included in the youngest age category reported

Survey Results

What three health-related issues would you prioritize in Island County?

Figure 11. Priority health issues for Island County, as selected by all survey respondents.



Survey Results: Health Priorities for Island County

Other

Topic	Sub-Topic	#	Topic	Sub-Topic	#
Child Care		2	Health Education	Nutrition	1
Community Connectedness/Support		2		Smoking cessation	1
Domestic Violence		2	Healthy Food	Cost	1
Drugs		2	Housing	Affordability	1
Emergency Preparedness		1		Homeless	2
Employment		2	Mental Health		2
Environment	Air quality	1	Mosquitos		1
	Aircraft noise	13	Pharmacy		1
	Climate change	1	Poverty		1
	Water quality	4	Recreation	Bike trails/lanes	2
Government		4		Indoor	1
Health Care	Availability	4	Safety	Traffice	1
	Cost	3	Transportation		3
	Quality	4	Youth	Health Education	2
				Activities	7

Survey Results: Health Priorities for Island County

Table 13. Priority health issues for Island County, by age of respondent.

Health Issues	Age of Respondent			χ^2 <i>P value</i>
	14-44 years (n=207)	45-64 years (n=425)	≥65 years (n=241)	
	%	%	%	
Access to medical care	20.8	19.1	19.9	0.74
Access to dental care	7.3	7.5	9.5	0.64
Access to mental health care	30.0	28.0	24.1	0.30
Access to disability services	3.9	3.3	2.9	0.84
Access to health education for teens/youth	11.1	4.2	4.2	0.00*
Access to health education for chronic disease management	4.8	6.6	5.8	0.68
Access to alcohol, tobacco and drug use treatment and prevention	16.4	23.5	15.4	0.02*
Air pollution	2.9	4.2	9.5	0.01*
Water pollution	4.4	7.3	12.9	0.00*
Noise	5.3	17.4	25.7	0.00*
Access to child care	10.1	4.9	1.2	0.00*
Access to older adult/senior care	3.4	9.9	7.1	0.02*
Access to services to live independently	6.3	16.2	24.9	0.00*
Job opportunities/training	28.0	23.8	10.0	0.00*
Access to quality education opportunities for all ages	13.5	10.8	5.4	0.01*
Access to information about parenting and child development	6.3	3.1	2.5	0.048*
Access to early childhood learning and preschool	6.8	2.6	2.5	0.02*
Limited family-friendly workplace policies for parents/caregivers	6.3	1.9	0.8	0.00*
Crime and violence prevention	5.3	12.9	14.1	0.01*
Access to public transportation	7.3	12.9	17.4	0.01*
Availability of affordable housing	19.8	20.9	16.2	0.29
Domestic violence prevention	3.4	2.4	5.0	0.14
Access to adequate food	2.9	5.4	4.2	0.34
Access to healthy food options	16.9	9.7	7.9	0.00*
Access to exercise and recreation opportunities	20.3	12.5	10.0	0.00*
Unintentional injury prevention	1.5	6.1	5.4	0.07
Emergency preparedness	11.6	12.7	15.8	0.40
Other	5.8	7.8	11.6	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results: Health Priorities for Island County

Table 14. Priority health issues for Island County, by geographic location of respondent.

Health Issues	Geographic Location							χ^2 <i>P value</i>
	Camano (n=53)	Coupeville (n=223)	Clinton (n=65)	Freeland (n=82)	Greenbank (n=52)	Langley (n=88)	Oak Harbor (n=301)	
	%	%	%	%	%	%	%	
Access to medical care	18.9	14.8	27.7	17.1	19.2	27.3	20.9	0.09
Access to dental care	13.2	3.1	15.4	7.3	5.8	5.7	10.3	0.01*
Access to mental health care	26.4	24.7	21.5	25.6	25.0	25.0	32.9	0.42
Access to disability services	5.7	1.8	0.0	4.9	3.9	1.1	5.0	0.17
Access to health education for teens/youth	5.7	7.6	6.2	2.4	5.8	5.7	5.7	0.87
Access to health education for chronic disease management	9.4	3.1	9.2	4.9	17.3	3.4	6.0	0.01*
Access to alcohol, tobacco and drug use treatment and prevention	15.1	15.7	32.3	18.3	19.2	22.7	20.6	0.07
Air pollution	7.6	6.7	4.6	4.9	0.0	5.7	4.7	0.56
Water pollution	22.6	4.6	9.2	7.3	3.9	11.4	5.7	0.00*
Noise	7.6	38.1	9.2	6.1	25.0	11.4	7.3	0.00*
Access to child care	0.0	2.7	6.2	7.3	3.9	4.6	7.6	0.11
Access to older adult/senior care	9.4	9.0	3.1	11.0	9.6	6.8	6.0	0.50
Access to services to live independently	20.8	12.1	30.8	23.2	11.5	29.6	11.3	0.00*
Job opportunities/training	20.8	18.4	16.9	17.1	13.5	21.6	26.6	0.30
Access to quality education opportunities for all ages	13.2	8.1	13.9	12.2	19.2	8.0	9.6	0.25
Access to information about parenting and child development	7.6	2.7	4.6	0.0	3.9	4.6	4.3	0.34
Access to early childhood learning and preschool	5.7	2.2	3.1	3.7	5.8	2.3	4.3	0.75
Limited family-friendly workplace policies for parents/caregivers	1.9	2.2	0.0	2.4	1.9	3.4	3.7	0.76
Crime and violence prevention	28.3	7.6	20.0	17.1	5.8	3.4	12.0	0.00*
Access to public transportation	22.6	10.3	10.8	20.7	21.2	21.6	7.3	0.00*
Availability of affordable housing	15.1	17.0	18.5	20.7	13.5	30.7	20.3	0.12
Domestic violence prevention	5.7	1.8	3.1	1.2	0.0	0.0	6.6	0.01*
Access to adequate food	0.0	6.3	3.1	6.1	5.8	3.4	4.0	0.50
Access to healthy food options	3.8	9.0	10.8	12.2	7.7	15.9	12.6	0.27
Access to exercise and recreation opportunities	15.1	12.6	7.7	15.9	17.3	11.4	15.0	0.72
Unintentional injury prevention	3.8	3.6	1.5	0.0	9.6	3.4	3.3	0.14
Emergency preparedness	9.4	18.8	13.9	12.2	19.2	11.4	10.3	0.10
Other	9.4	8.5	10.8	6.1	5.8	9.1	8.6	-

Survey Results: Health Priorities for Island County

Table 15. Priority health issues for Island County, by income status of respondent.

Health Issues	Income Status**				χ^2 <i>P value</i>
	Low (n=53)	Middle (n=282)	High (n=329)	Not Reported (n=133)	
	%	%	%	%	
Access to medical care	25.5	16.6	19.6	24.1	0.15
Access to dental care	18.2	11.3	5.7	2.2	0.00*
Access to mental health care	18.2	24.0	33.4	21.9	0.00*
Access to disability services	5.5	3.5	3.4	1.5	0.46
Access to health education for teens/youth	3.6	8.1	5.1	5.8	0.47
Access to health education for chronic disease management	9.1	5.7	6.2	5.8	0.77
Access to alcohol, tobacco and drug use treatment and prevention	14.6	19.8	20.4	22.6	0.81
Air pollution	12.7	5.0	4.0	7.3	0.11
Water pollution	9.1	7.8	7.9	11.0	0.76
Noise	16.4	17.3	13.6	23.4	0.10
Access to child care	3.6	6.0	3.7	7.3	0.36
Access to older adult/senior care	7.3	6.4	7.9	8.8	0.78
Access to services to live independently	5.5	16.3	15.9	22.6	0.05
Job opportunities/training	29.1	22.3	17.3	27.0	0.06
Access to quality education opportunities for all ages	12.7	7.8	11.1	10.2	0.53
Access to information about parenting and child development	1.8	2.8	4.8	4.4	0.38
Access to early childhood learning and preschool	3.6	3.9	4.5	1.5	0.43
Limited family-friendly workplace policies for parents/caregivers	5.5	2.8	2.0	2.2	0.45
Crime and violence prevention	7.3	11.3	12.2	16.1	0.45
Access to public transportation	18.2	13.4	12.2	13.1	0.63
Availability of affordable housing	27.3	24.4	15.6	17.5	0.02*
Domestic violence prevention	5.5	2.5	4.0	4.4	0.45
Access to adequate food	3.6	4.6	5.4	3.7	0.82
Access to healthy food options	21.8	12.0	10.2	6.6	0.01*
Access to exercise and recreation opportunities	16.4	15.6	15.3	5.8	0.02*
Unintentional injury prevention	1.8	1.4	4.5	5.1	0.10
Emergency preparedness	9.1	10.3	16.2	15.3	0.11
Other	9.1	6.7	9.9	9.5	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results: Health Priorities for Island County

Table 16. Priority health issues for Island County, by status of children at home of respondent.

Health Issues	Children At Home					χ^2 <i>P value</i>
	None (n=470)	Age 0-5 years (n=81)	Age 6-12 years (n=75)	Age 13-18 years (n=76)	Age 19+ years (n=52)	
	%	%	%	%	%	
Access to medical care	20.6	24.7	12.0	17.1	21.2	0.94
Access to dental care	8.1	8.6	5.3	13.2	5.8	0.33
Access to mental health care	27.0	25.9	40.0	29.0	34.6	0.50
Access to disability services	3.0	3.7	5.3	6.6	3.9	0.17
Access to health education for teens/youth	6.0	7.4	6.7	4.0	5.8	0.87
Access to health education for chronic disease management	7.7	1.2	5.7	4.0	5.8	0.17
Access to alcohol, tobacco and drug use treatment and prevention	19.2	13.6	25.3	14.5	28.9	0.10
Air pollution	7.2	0.0	1.3	5.3	0.0	0.02*
Water pollution	10.4	2.5	5.3	9.2	5.8	0.14
Noise	21.7	4.9	1.3	6.6	7.7	0.00*
Access to child care	2.1	23.5	8.0	2.6	7.7	0.00*
Access to older adult/senior care	8.5	2.5	2.7	6.6	9.6	0.12
Access to services to live independently	20.0	7.4	12.0	7.9	13.5	0.00*
Job opportunities/training	16.6	21.2	34.7	31.6	34.6	0.00*
Access to quality education opportunities for all ages	7.5	13.6	25.3	13.2	9.6	0.00*
Access to information about parenting and child development	2.6	3.7	8.0	7.9	1.9	0.22
Access to early childhood learning and preschool	2.6	13.6	4.0	4.0	0.0	0.01*
Limited family-friendly workplace policies for parents/caregivers	1.9	7.4	2.7	2.6	0.0	0.05
Crime and violence prevention	13.0	11.1	9.3	10.5	13.5	0.48
Access to public transportation	14.9	9.9	2.7	10.5	17.3	0.01*
Availability of affordable housing	21.3	15.8	17.3	19.7	23.1	0.58
Domestic violence prevention	4.0	3.7	1.3	2.6	3.9	0.80
Access to adequate food	4.7	6.2	1.3	5.3	3.9	0.68
Access to healthy food options	10.6	14.8	10.7	13.2	9.6	0.80
Access to exercise and recreation opportunities	12.3	18.5	20.0	14.5	13.5	0.15
Unintentional injury prevention	2.6	1.2	1.3	2.6	7.7	0.54
Emergency preparedness	15.1	13.6	6.7	14.5	3.9	0.01*
Other	9.2	3.7	9.3	7.9	5.8	-

* Chi-square test $P < 0.05$. **Bold** = Top 3 health issues per group.

Survey Results

Open-Ended Questions

Three questions asked respondents to share in their own words what they believed would help make Island County a healthier place to live.

- What do you think are the most important qualities of a healthy community?
- What health issues do you think must be addressed to improve the quality of life in Island County?
- What existing programs or services do you think are important for our quality of life in Island County?

For each question, verbatim responses were analyzed to identify emergent themes and sub-themes. Descriptions and examples of the major themes identified in those questions are listed below.

Table 17. Major themes and examples identified in three open-ended questions by all survey respondents.

Theme	Explanation of theme	Example Responses
Arts and Culture	Availability and support for art, theater, and other cultural activities	"Vibrant arts community" "Live music, dance, theater, fine art shows, displays at the County fair"
Children, Youth, and Family Support	Systems, policies and/or programs that support children, youth and families	"More places for families with kids to go" "Strong youth programs & recognition of their worth"
Community Culture	Values desired for interactions between community members or by community leaders	"Friendly people who care about each other and look out for each other" "Inclusive and diverse population"
Communications	Access to, and communication of health-related information	"Awareness/knowledge of local health capabilities AND how & what & where services they can refer" "Communication between healthcare services"
Disease Risk and Prevention	Prevention and treatment of infectious and chronic diseases in the community	"Promoting healthy habits at schools and work places" "Higher vaccination percentages"
Economic Viability	Infrastructure, employment, and general economic status of the community	"Job opportunities with living wage" "Locally available services and resources"
Education	Learning opportunities for all individuals	"Continuing education opportunities" "Excellent school system"
Emergency Preparedness and Response	Preparation and response to natural and human-generated emergencies	"Educated neighborhoods on disaster preparedness" "Great emergency response"
Environment	Characteristics or elements of the physical space where individuals live, learn, work and play	"Natural resource protection" "Access to clean air and water" "Low noise pollution"

Table 17, cont. Major themes and examples identified in three open-ended questions by all survey respondents.

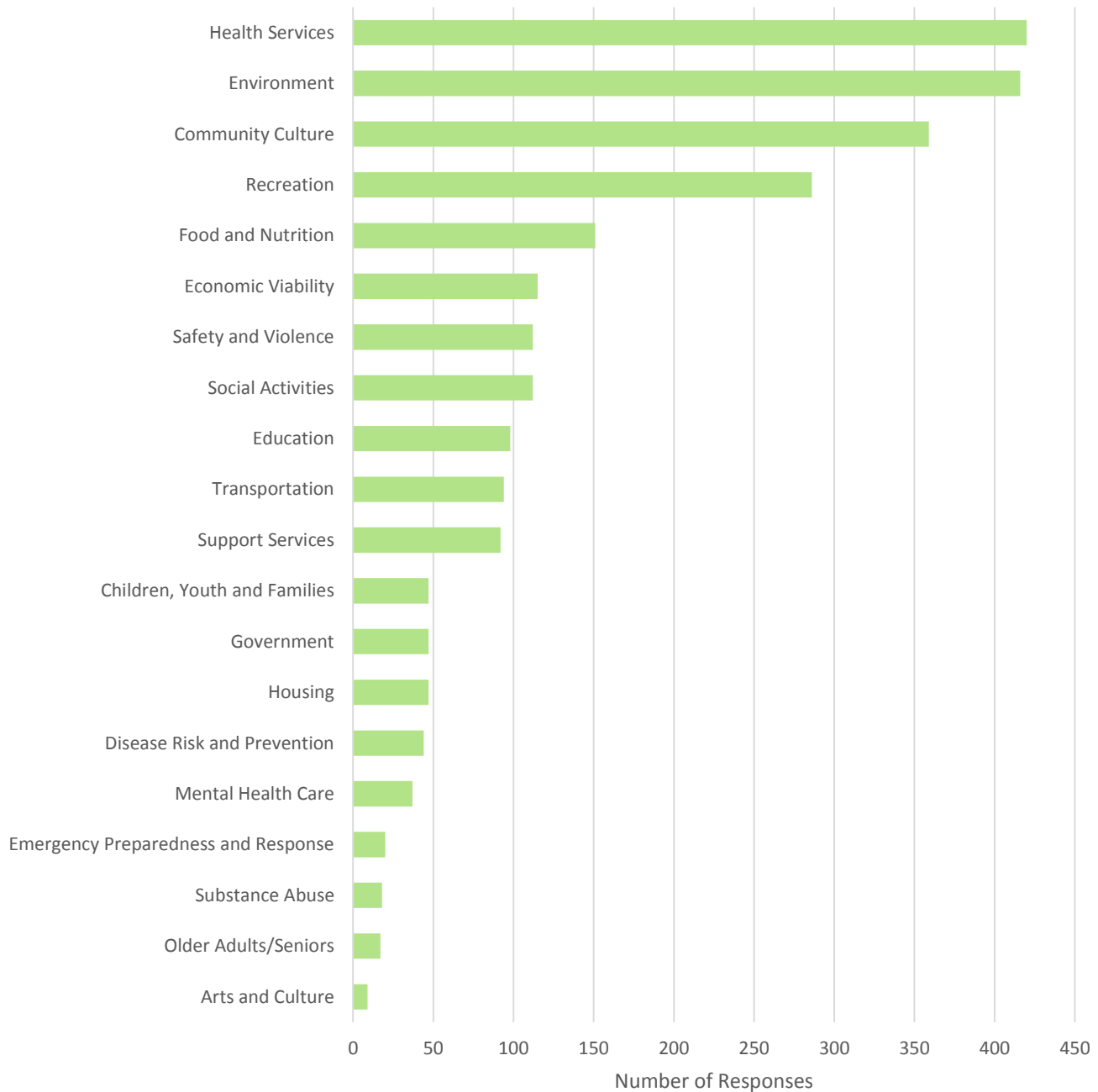
Theme	Explanation of theme	Example Responses
Food and Nutrition	Systems, policies and/or programs that support individuals' access to healthy foods	"Access to affordable and fresh healthy food" "Safe food establishments" "Good local food sources"
Government	Systems, policies and/or programs provided through city and county institutions	"Responsive and responsible government" "Wide participation in community government"
Health Care	Medical services available to individuals for the prevention and/or treatment of disease	"Easy access to clinics (close to home & flex hours)" "Access to quality healthcare services both traditional and alternative"
Housing	Availability and provision of housing for individuals in the community	"Affordable housing and enough of it" "Decrease homeless population - more support and shelters for this community."
Mental Health Care	Services for the prevention and/or treatment of poor mental health	"Available mental health care for all who need it" "Demonstrated caring for mentally ill, homeless, etc."
Older Adults/Senior Support	Systems, policies and/or programs that support older adults/seniors.	"Affordable healthy senior housing and activities" "Quality elder care"
Recreation	Space, structures and/or programs that support physical activity or enjoyment of the natural environment	"Affordable places inside to work out during inclement weather" "Access to trails/sidewalks/parks"
Safety and Violence	Risk or exposure to crime or violence.	"A feeling of safety, helpful neighbors, low crime." "Available and well-funded police department"
Social Activities	Opportunities for social interaction between community members	"Activities that get the community together" "Public gathering places"
Substance Abuse Prevention and Treatment	Prevention and/or treatment of substance abuse disorders	"Assistance for addicts to become drug and alcohol free" "Less drug activity"
Support Services	Programs and services available to community members to support basic needs	"Relationships & support programs to carry through difficult situations" "Support services easily available for all residents who need them"
Transportation	Movement of individuals in the community	"Easy and affordable public transportation" "The ability to move freely and safely about the community without a car"

Survey Results

Qualities of a Healthy Community

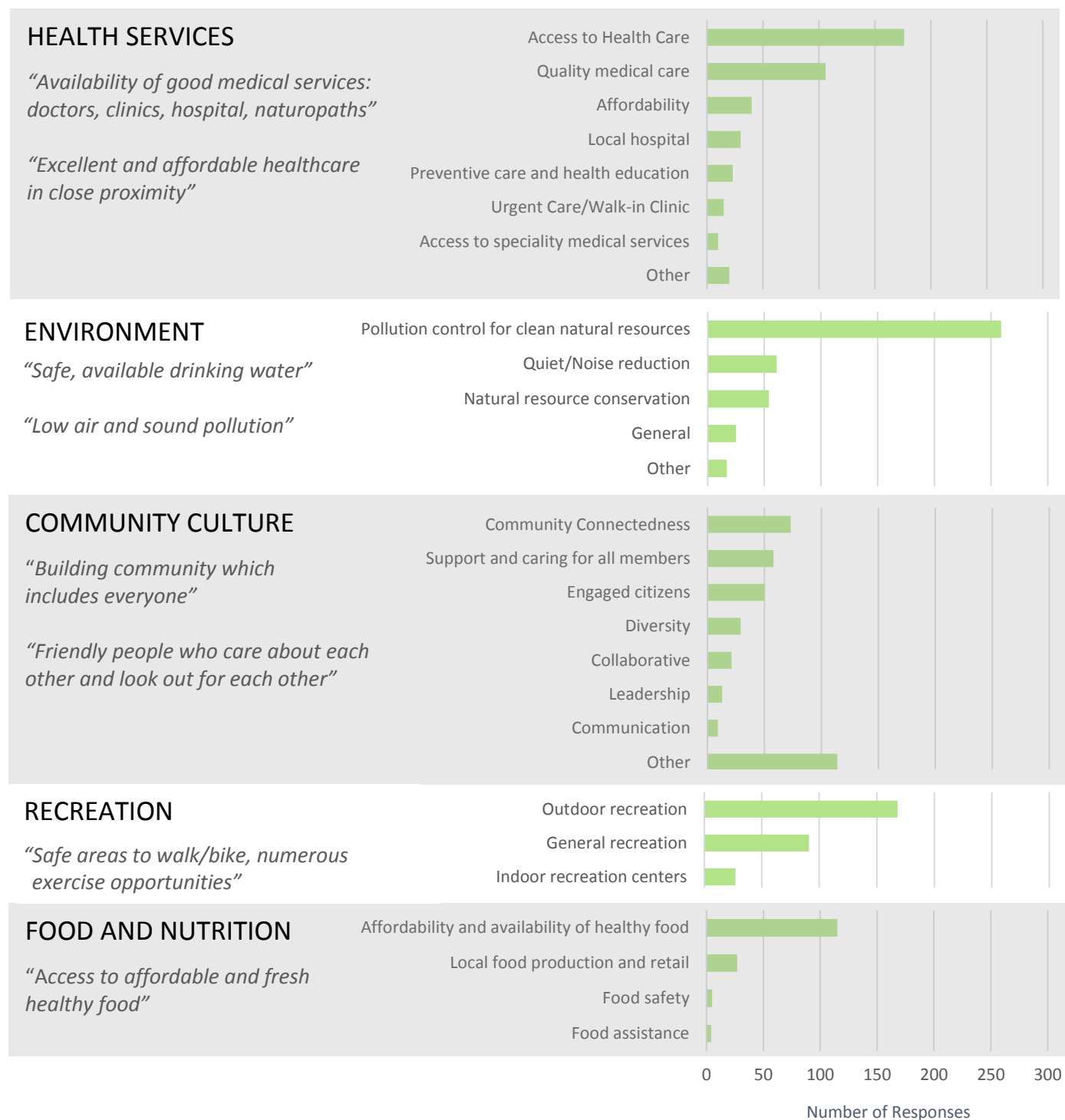
What do you think are the most important qualities of a healthy community?

Figure 12. Major themes of qualities of a healthy community, as described by all survey respondents.



Survey Results: Qualities of a Healthy Community

Figure 13. Top five major themes and sub-themes for qualities of a healthy community, as described by all survey respondents

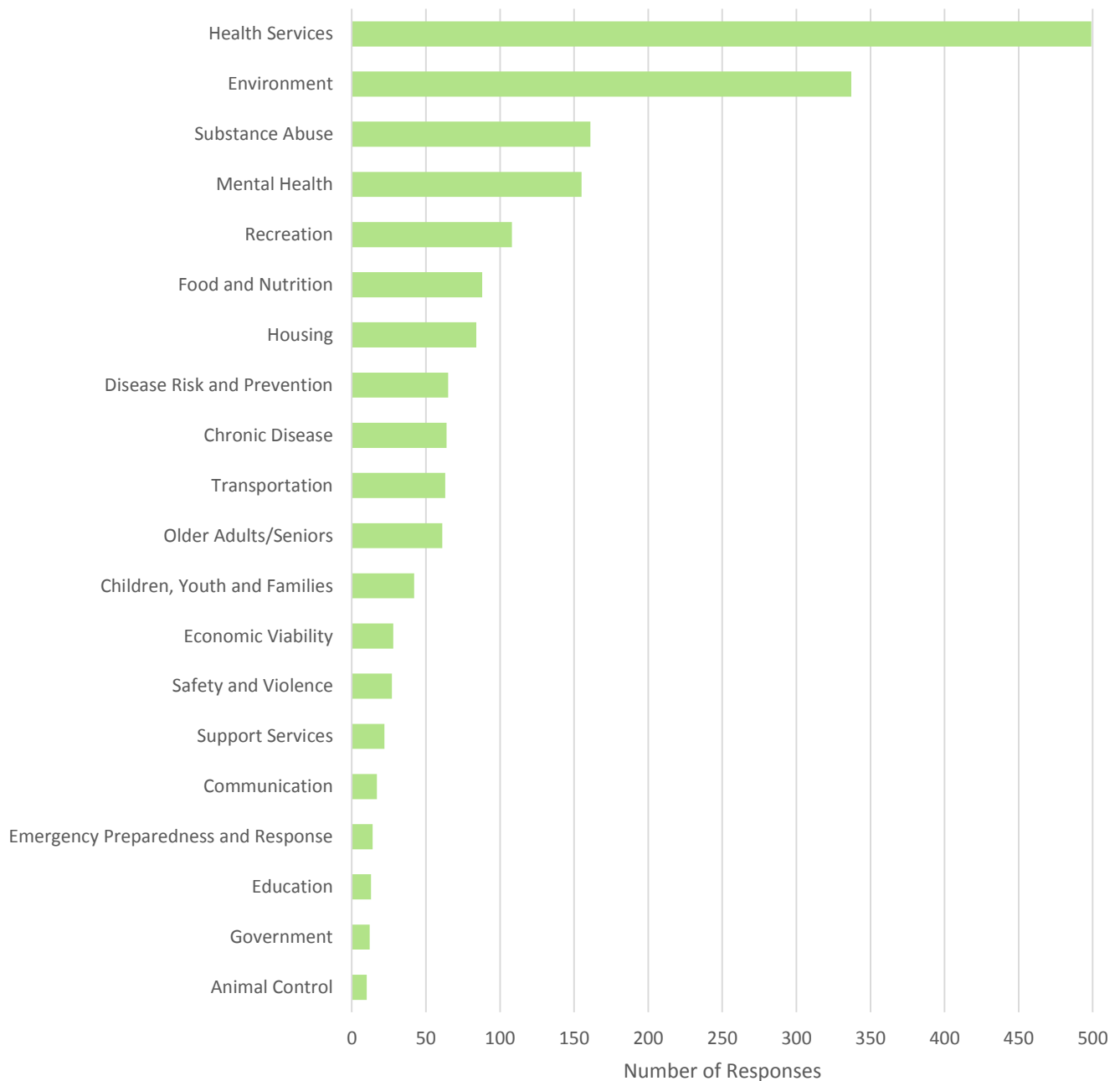


Survey Results

Health Issues to Address

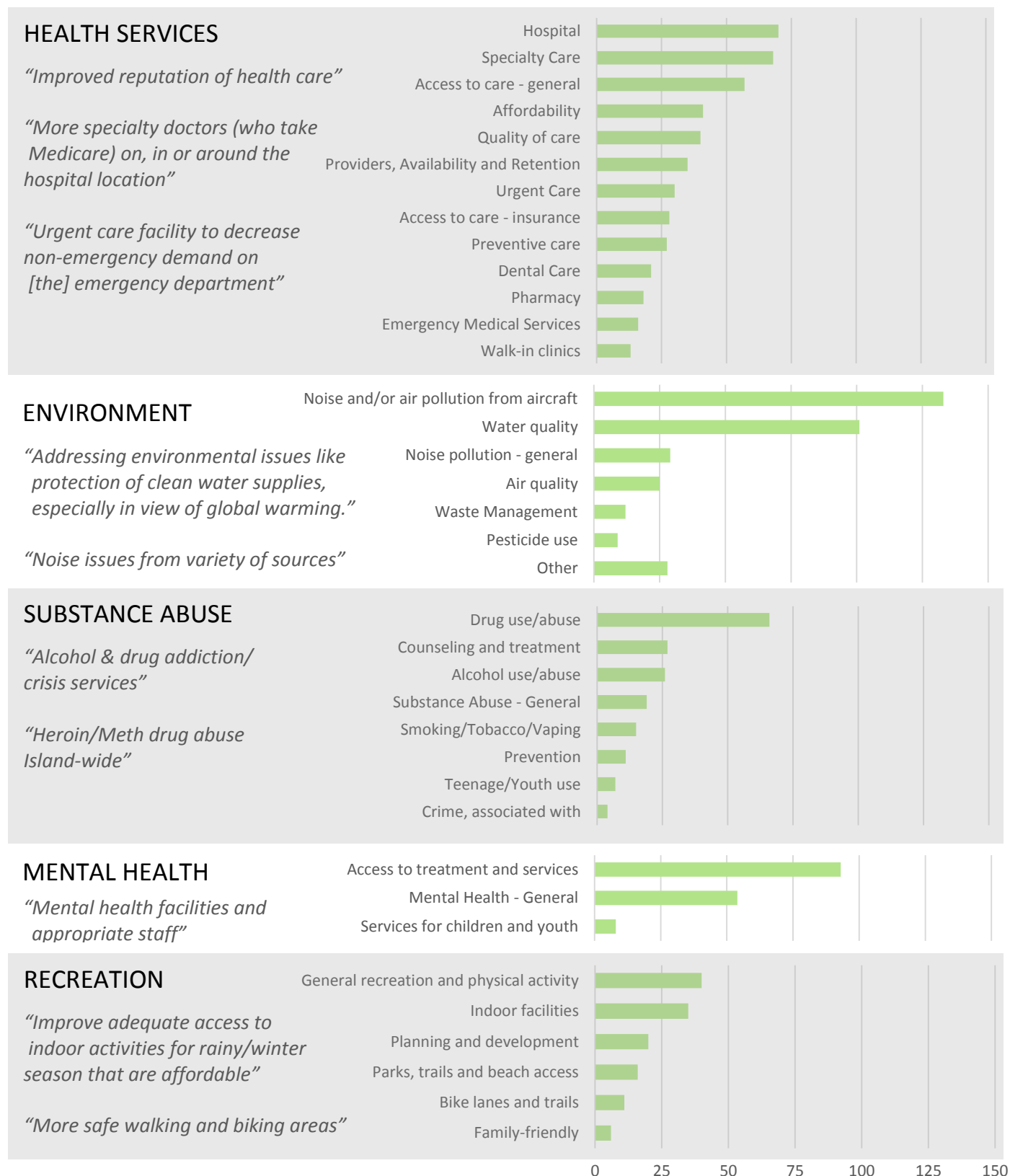
What health issues do you think must be addressed to improve the quality of life in Island County?

Figure 14. Major themes of issues that need to be addressed in Island County, as described by all survey respondents.



Survey Results: Health Issues to Address for Quality of Life

Figure 15. Top five major themes and sub-themes for health issues to be addressed to improve quality of life, as described by all survey respondents.

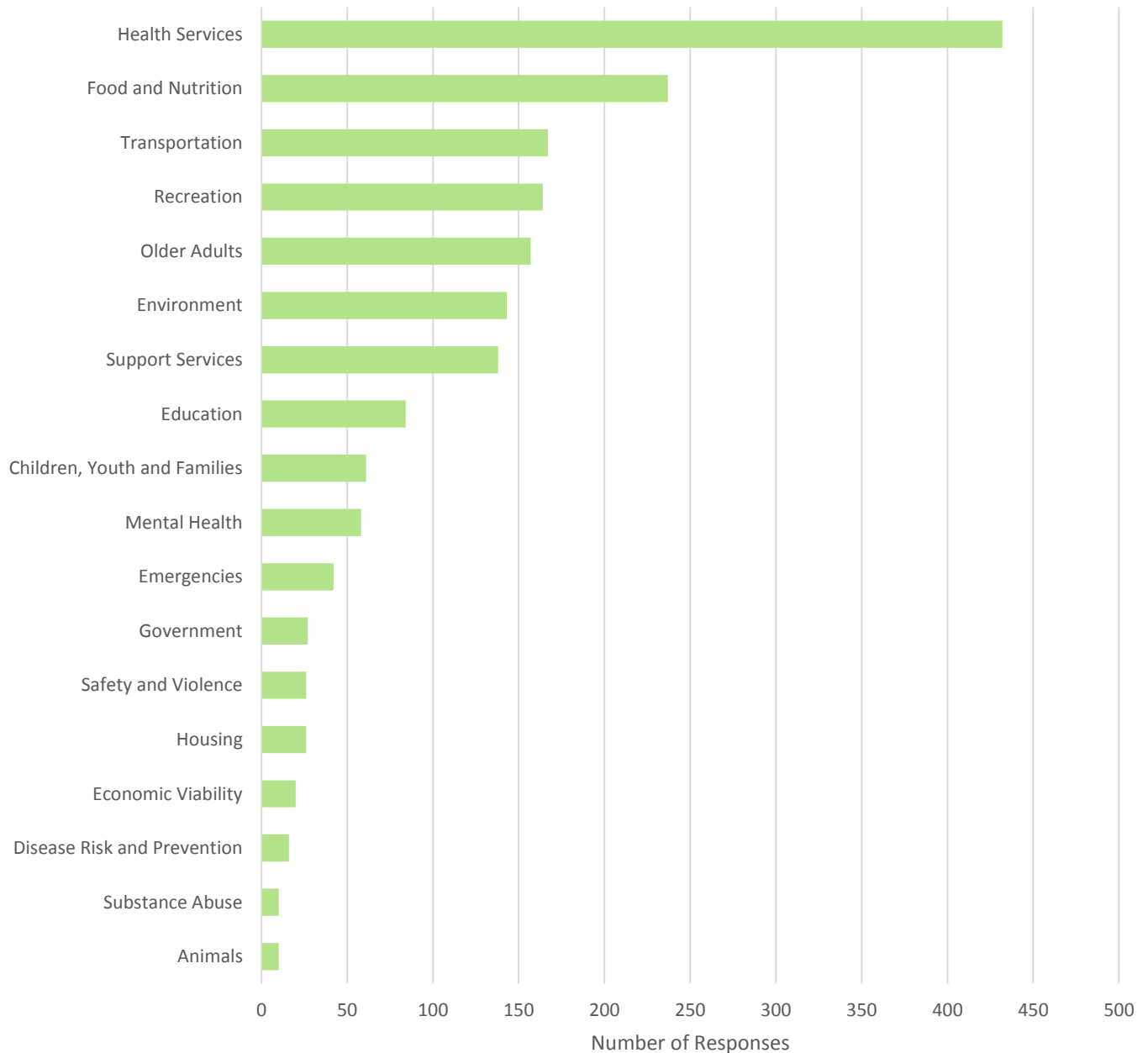


Survey Results

Important Existing Programs and Services

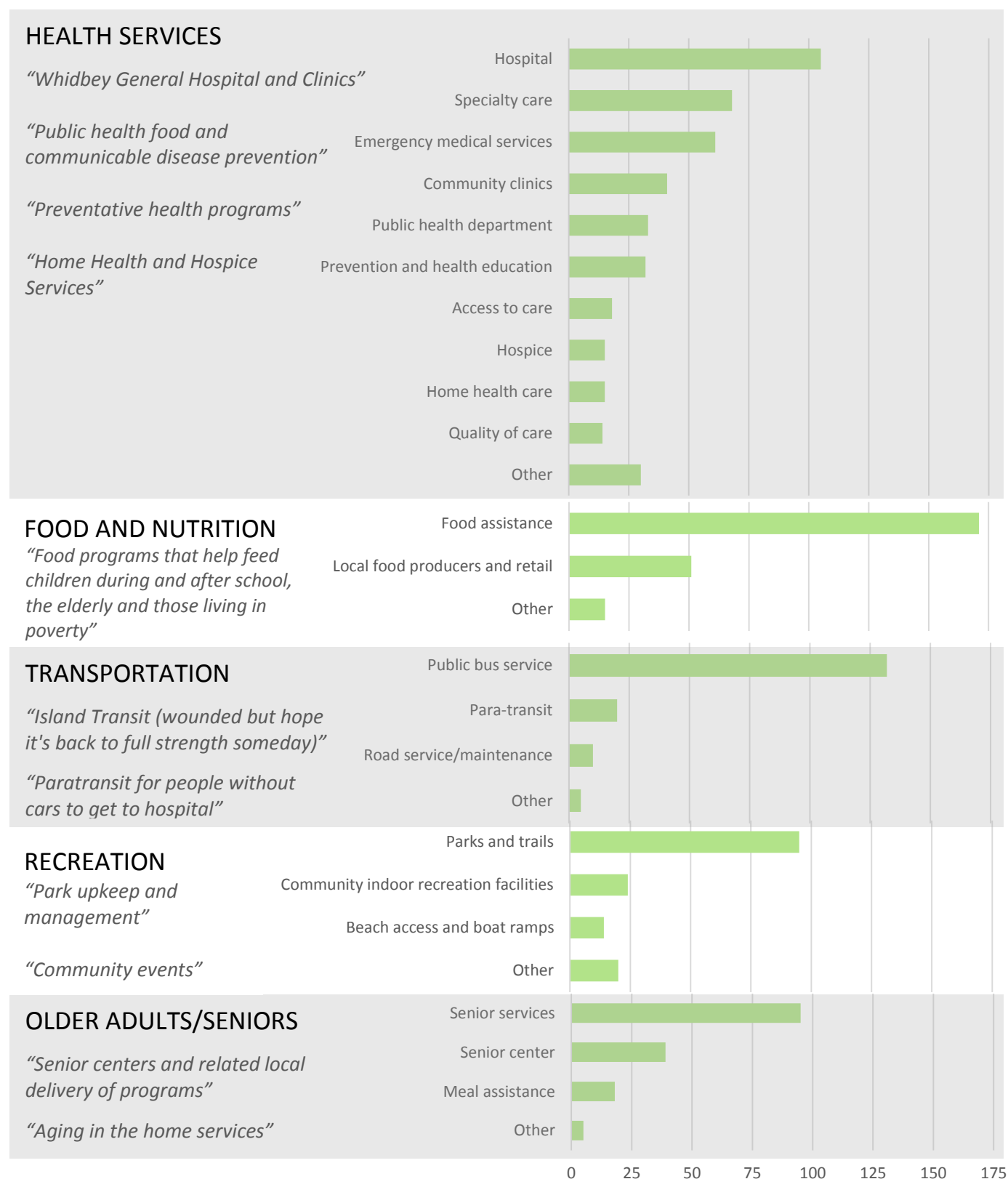
What existing programs or services do you think are important for our quality of life in Island County?

Figure 16. Major themes of important existing programs and services in Island County.



Survey Results: Important Existing Programs

Figure 17. Top five major themes and sub-themes for existing programs or services important to quality of life in Island County.



Appendices

A. Community Health Survey Tool

The Island County Community Health Survey

What does Island County need to be a healthier place to live, learn, work, and play?

Island County Public Health, in collaboration with your Community Health Advisory Board, Board of Health, and over 20 other local health partners, is working to complete the 2015 Island County Community Health Assessment. Right now we are collecting information to better understand the health of our population and the factors that contribute to making us more or less healthy.

How will your opinion make a difference? The results of this survey will go into the Community Health Assessment report. This report gets distributed widely throughout the county and region, and is used by community leaders, agency directors and staff, service providers, and community groups to help make informed decisions about what health needs exist in our community and what work needs to be done.

The Community Health Assessment is also the first step in our Community Health Planning process and will be used to identify community-wide priorities to improve our health and quality of life.

Thank you for sharing your experience and ideas!

1. Which area do you live in or nearest to?

- ☐ Camano Island - North
- ☐ Camano Island - South
- ☐ Coupeville
- ☐ Clinton
- ☐ Freeland
- ☐ Greenbank
- ☐ Langley
- ☐ Oak Harbor
- ☐ Other (please specify) _____

2. Which best describes your status in Island County?

- ☐ Full-time resident
- ☐ Seasonal resident
- ☐ Frequent visitor
- Other (please specify) _____

Appendix A: Community Health Survey Tool

3. How many years have you lived in Island County?
- ☐ Less than 1 year
 - ☐ 1-5 years
 - ☐ 6-10 years
 - ☐ 11-20 years
 - ☐ More than 20 years
4. What is the primary reason you choose to live in Island County?
- ☐ Rural character
 - ☐ Employment
 - ☐ Close to family and/or friends
 - ☐ Born and/or grew up here
 - ☐ Affordable home prices
 - ☐ Recreational opportunities
 - ☐ Other (please specify) _____
5. What do you think are the most important qualities of a healthy community? (List up to 3 words or short phrases.)
1. _____
 2. _____
 3. _____
6. What health issues do you think must be addressed to improve the quality of life in Island County? (List up to 3 words or short phrases.)
1. _____
 2. _____
 3. _____
7. What existing programs or services do you think are important for our quality of life in Island County? (List up to 3 words or short phrases.)
1. _____
 2. _____
 3. _____

Appendix A: Community Health Survey Tool

The next 5 questions ask that you reflect on your experience living in Island County, and respond to what you think are issues within our community.

8. What are the biggest health challenges parents/caregivers of young children (age 0-5) face in Island County? Please select up to three (3).

- ☐ Access to medical care for children
- ☐ Access to dental care for children
- ☐ Access to mental health care for children
- ☐ Access to education/information about parenting and child development
- ☐ Access to early learning resources and preschool
- ☐ Access to family-friendly activities and recreational opportunities
- ☐ Limited family-friendly workplace policies for parents/caregivers (maternity/paternity leave, flex time)
- ☐ High cost of childcare
- ☐ Limited child care options
- ☐ Transportation to activities and/or appointments
- ☐ I don't know
- ☐ Other (please specify) _____

9. What are the biggest health challenges teens face in Island County? Please select up to three (3).

- ☐ Access to medical care
- ☐ Access to dental care
- ☐ Access to mental health care
- ☐ Access to health information/education
- ☐ Access to job opportunities and/or training
- ☐ Access to quality education
- ☐ Bullying
- ☐ Connecting with supportive, positive role models
- ☐ Drug, tobacco and alcohol use
- ☐ Access to teen-friendly exercise/recreation activities
- ☐ Access to teen-friendly afterschool or extracurricular activities
- ☐ Unhealthy or unstable home life
- ☐ Transportation to activities and/or appointments
- ☐ Unintentional injuries
- ☐ I don't know
- ☐ Other (please specify) _____

Appendix A: Community Health Survey Tool

10. What are the biggest health challenges older adults/seniors face in Island County? Please select up to three (3).

- ☐ Access to medical care
- ☐ Access to dental care
- ☐ Access to mental health care
- ☐ Access to disability services
- ☐ Managing chronic health problems
- ☐ Access to recreational or social activities
- ☐ Access to services to live independently (also known as 'aging in place')
- ☐ Preparing or obtaining adequate food
- ☐ Affordable housing
- ☐ Living on a fixed income
- ☐ Social isolation/loneliness
- ☐ Transportation to activities and/or appointments
- ☐ Fall and unintentional injury risk
- ☐ I don't know
- ☐ Other (please specify)_____

11. What are the FIVE biggest daily challenges for you and/or your family? (Please mark up to 5)

- ☐ Access to medical care
- ☐ Access to dental care
- ☐ Access to mental health care
- ☐ Access to disability services
- ☐ Managing chronic health problems
- ☐ Air pollution
- ☐ Water pollution
- ☐ Noise
- ☐ Access to child care
- ☐ Access to older adult/senior care
- ☐ Job opportunities/training
- ☐ Access to education opportunities
- ☐ Access to laundry facilities
- ☐ Crime and violence
- ☐ Access to transportation to work, activities or appointments
- ☐ Lack of affordable housing
- ☐ Alcohol, tobacco or drug use
- ☐ Domestic violence
- ☐ Having enough food (food insecurity)
- ☐ Access to healthy food options
- ☐ Time and/or knowledge to prepare healthy foods
- ☐ Access to exercise and recreation opportunities
- ☐ Time and/or knowledge to exercise and be physically active
- ☐ Emergency preparedness
- ☐ Other_____

Appendix A: Community Health Survey Tool

12. Considering your responses to the previous questions, what THREE health-related issues would you prioritize in Island County?

- ☐ Access to medical care
- ☐ Access to dental care
- ☐ Access to mental health care
- ☐ Access to disability services
- ☐ Access to health education for teens/youth
- ☐ Access to health education for chronic disease management
- ☐ Access to alcohol, tobacco or drug use treatment and prevention
- ☐ Air pollution
- ☐ Water pollution
- ☐ Noise
- ☐ Access to child care
- ☐ Access to older adult/senior care
- ☐ Access to services to live independently (also known as aging in place)
- ☐ Job opportunities/training
- ☐ Access to quality education opportunities for all ages
- ☐ Access to education/information about parenting and child development
- ☐ Access to early childhood learning and preschool
- ☐ Limited family-friendly workplace policies for parents/caregivers
- ☐ Crime and violence prevention
- ☐ Access to public transportation
- ☐ Availability of affordable housing
- ☐ Domestic violence prevention
- ☐ Access to adequate food (Improving food insecurity)
- ☐ Access to healthy food options
- ☐ Access to exercise and recreation opportunities
- ☐ Unintentional injury prevention
- ☐ Emergency preparedness
- ☐ Other_____

The remaining questions will help us know whether we have heard from all different kinds of people from Island County.

13. What is your age?

- ☐ 14 years or younger
- ☐ 15-24 years
- ☐ 25-34 years
- ☐ 35-44 years
- ☐ 45-54 years
- ☐ 55-64 years
- ☐ 65-74 years
- ☐ 75-84 years
- ☐ 85+ years

14. Do you identify yourself as:

- ☐ Male
- ☐ Female
- ☐ Other

Appendix A: Community Health Survey Tool

15. Do you consider yourself (check all that apply):
- ☐ American Indian or Alaskan Native
 - ☐ Asian
 - ☐ Black or African American
 - ☐ Native Hawaiian/Pacific Islander
 - ☐ White
 - ☐ Spanish/Hispanic/Latino
 - ☐ Some other race
 - ☐ Prefer not to say
16. In what way do you prefer to receive health-related information?
- ☐ Internet
 - ☐ Printed newsletters
 - ☐ Healthcare provider
 - ☐ Family/friends
 - ☐ Other (please specify) _____
17. In what language do you prefer to receive health-related information? _____
18. How many people are in your household? _____
19. If you have children living at home, what are their ages? (Check all that apply)
- ☐ I do not have children living at home
 - ☐ 0-5 years
 - ☐ 6-12 years
 - ☐ 13-18 years
 - ☐ 19+ years
20. In 2014, what was your annual household income from all sources?
- ☐ Less than \$10,000
 - ☐ \$10,000 to under \$25,000
 - ☐ \$25,000 to under \$50,000
 - ☐ \$50,000 to under \$75,000
 - ☐ \$75,000 to under \$100,000
 - ☐ \$100,000 or more
 - ☐ Prefer not to say

Thank you for completing the Island County Community Health Opinion Survey! The Community Health Assessment is the first step in our Community Health Planning process. Community Health Planning looks beyond the performance of a single organization serving a specific segment of a community. It is a collaborative effort to evaluate the health of our community, and coordinate the activities of many organizations toward improvement. Your Public Health staff will be coordinating the next steps so that as a community we can prioritize a few specific issues to focus on over the next 3-5 years, and commit to a coordinated plan to work toward those goals. That coordinated plan is called the *Community Health Improvement Plan*.

Results will be available on our website: www.islandcountyahc.org/Page/89

Appendices

B. Acknowledgements

Island County Public Health

Keith Higman, *Health Services Director*
Laura Luginbill, *Assessment and Healthy Communities Director*
Emily Maughan, *Public Health Coordinator*
Michele Tefft, *Administrative Director*
Brad Thomas, *Health Officer*
Suzanne Turner, *Community and Family Health Director*
Jill Wood, *Environmental Health Director*

Island County Community Health Advisory Board (CHAB)

Catherine Ballay, Chair	Patti Milligan
Jan Gross, Vice-Chair	Celine Servatius
Mary Anderson	Doug Slaten
Cary Anderson	JoAnn Strong
Rene' Denman	Kellie Tormey
David Macys	Sandy Ziemer

Island County Community Health Assessment Team (CHAT)

Crystal Armitage	Cynde Robinson
Mark Brown	Vivian Rogers-Decker
Lisa Clark	Heather Sellers
Diane Fiumara	Michelle Smith
Karla Jacks	Charlie Smith
Brad Johnson	Marcia Statz
Steve Marx	Bess Windecker-Nelson
Cathy Niir	Jaemee Witmer
Lynda Richards	Gerald Yorioka

Island County Board of Health

Helen Price-Johnson, *Island County Commissioner*
Jill Johnson, *Island County Commissioner*
Richard Hannold, *Island County Commissioner*
Grethe Cammermeyer, *Hospital Commissioner*
Scott Dudley, *Mayor of Oak Harbor*
Captain Frederick McDonald, *Commanding Officer Naval Hospital Oak Harbor*

